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NONDEGREE/VISITING STUDENT GUIDE

Individuals who wish to enroll in UW–Madison credit courses but are not in degree status at this university may apply for admission as a University Special student. The 15 categories of University Special students each have a distinct educational goal, admission criteria, enrollment policy, and tuition/fees rate. All University Special students establish an official UW–Madison student record and are responsible for adhering to the university's academic policies and procedures, and to the student code of conduct. The office of admissions, advising assistance, and the academic dean for University Special students is Adult Career and Special Student Services (<https://acsss.wisc.edu>) (ACSSS). ACSSS is a unit of the Division of Continuing Studies (DCS) (<http://continuingstudies.wisc.edu>).

TYPES OF STUDY

- Capstones (p. 4)
- Cytotechnology (p. 31)
- Guest Auditor (p. 32)
- High School Students (p. 33)
- Other (p. 33)
- Post-Baccalaureate Course (p. 34)
- Short Course (p. 34)
- Undergraduate/Special Student Certificates (p. 42)
- Visiting International (p. 43)
- Visiting University Students (p. 44)

HOW TO GET IN

ADMISSIONS

Admission as a University Special student is available for all terms: fall, spring, and summer. Applying at least one month before the start of the term is recommended as it can take one to three weeks to review, approve, and process an application. Timely admission is important in order to take advantage of an earliest enrollment date. Capstone certificates, programs with preselected or international students, and high school classifications will have earlier application deadlines, as an admission decision depends on input from departments or other units. Additional information about University Special student admission can be found at ACSSS (<https://acsss.wisc.edu>).

The application has two options as listed below. However, first-time University Special students should read the details and more specific application information provided for each student type at Types of Study (p. 2) to prepare for the required steps.

- Applying via the University Special Student application (<https://acsss.wisc.edu/apply>) or
- Applying as a reentry student if previously enrolled at UW–Madison. Access the application through My UW using your NetID (<https://my.wisc.edu>).

SUMMER TERM

Each summer, more than 13,000 undergraduate students enroll in summer courses offered on campus or online. They may choose from more than 1,000 credit classes in sessions lasting from one to 13 weeks. UW–Madison undergraduates enroll for summer courses the same way as for fall and spring courses. Students not in degree status at UW–Madison should apply for University Special student admission in the appropriate classification by early spring in order to be eligible to enroll in April. For more information on course offerings, sessions, and summer term, see Summer Term (<http://summer.wisc.edu>).

POLICIES AND REGULATIONS

POLICIES AND REGULATIONS

ENROLLMENT POLICIES

Degree status students have priority enrollment status and times. The time assigned to a University Special student depends on the classification. For fall and spring term, it ranges from the first day of class to four weeks before the term begins. For summer term, a date in April or May is assigned.

Most courses have prerequisites which are listed in the courses section (<http://guide.wisc.edu/courses>) of the *Guide*. In order to enroll in a course, it is necessary that students—including University Special students—meet these prerequisites and requirements. University Special students may have taken courses at other colleges and universities which will not be part of the UW–Madison record. Thus, it may be necessary for such students to confer with a department or course instructor to confirm a prerequisite has been met at another institution in order for enrollment to be allowed.

CREDIT LOAD

University Special students are permitted to carry up to 18 credits in the fall and spring terms unless other limitations have been specified by their classification, advisors, or program. For most students during summer sessions, course loads are limited to a number of credits equal to the number of weeks of the session. Thus, in a three-week session, 3 credits is the maximum load; in a four-week session, 4 credits is the maximum load. One exception is that a 9-credit limit is allowed during the eight-week general session.

GRADING

Grades for each course are reported on the official UW–Madison transcript. The GPA is posted on a term-by-term basis and affects academic eligibility to continue in another term. While in University Special student status, a cumulative GPA is not calculated or displayed on the official UW–Madison student record. However, if a student becomes an undergraduate degree student earning a first UW–Madison undergraduate degree, then any grades and credits earned as a University Special student will transfer in and will be calculated in the final UW–Madison undergraduate degree GPA. Also, grades earned as a Special student will not change a previous cumulative undergraduate or graduate degree GPA earned at UW–Madison, including if a course is repeated.

A 2.0 minimum grade point average is required of University Special students in order to continue in future terms. (Capstone Certificate Program students have a higher GPA requirement.) Any University Special student who does not achieve the minimum grade point requirement will automatically receive a "must obtain permission to continue" action on

the student record and will be prevented from enrolling in future terms. Such students should contact an ACSSS advisor or the academic dean (<https://acsss.wisc.edu/contact>) regarding the policy and eligibility to continue in the future.

INCOMPLETES

Under limited circumstances a grade of Incomplete (I) (<https://registrar.wisc.edu/incompletes.htm>) may be reported for a student. As for all students, an incomplete is used only when a student due to an illness or other substantial cause is unable to take the final examination or complete some portion of course requirements. A University Special student who receives an Incomplete (I) has until the end of the next semester in which enrolled (excluding summer term) to complete the work and receive a final grade. Otherwise, the Incomplete will automatically lapse to an F.

PASS/FAIL OPTION

University Special students (excluding Capstone Certificate Program students) may elect to take courses under the pass/fail option following university procedure. A grade of S shall be recorded by the registrar in place of instructors' grades of A, AB, B, BC, C; the grade of U shall be recorded by the registrar in place of instructors' grades of D or F. The deadline and process for requesting pass/fail grading is posted on the registrar's website (https://registrar.wisc.edu/enrollment_information.htm).

AUDITING COURSES

There are two ways to audit a course within the University Special student status.

One—follows the process available to degree students whereby a student enrolls in a course for credit and then uses the Course Change Request in the enrollment system to change to audit. The student confirms with the instructor the attendance and required work to earn a grade of S (Satisfactory). The tuition assessment is at the credit level.

Two—available only to University Special students who are admitted in one of two classifications: Guest Auditor or Senior Guest Auditor if age 60 or older. Per policy of the UW Board of Regents, Guest auditors may enroll in courses on an audit-only basis and pay reduced or no tuition. Permission from the instructor is required prior to enrolling in a course. Audit credit is *automatically assigned* based on the student classification. Guest auditors do not pay student segregated fees and have access limited to libraries and nonsegregated fee activities of the Wisconsin Union. See ACSSS for further detail (<https://acsss.wisc.edu/special-student-types>).

TUITION AND FEES

The tuition rate and any fee assessment varies with (1) the number of credits for which enrolled, (2) the classification of University Special students, and (3) residency status (Wisconsin, Nonresident, Minnesota, or International). Many classifications pay at the undergraduate student rate, which may be viewed at the Office of the Registrar fee table (https://registrar.wisc.edu/tuition_&_fees.htm). The Capstone Certificate programs have tuition rates similar to the graduate student rate. Consult with the program coordinator for current tuition numbers.

Most University Special students pay the student segregated fees which provide full access to all university services including campus libraries, computer labs, Metro bus pass, recreational facilities, and University Health Service. Students enrolled in at least five credit may purchase the Student Health Insurance Plan (SHIP). If a student is in a classification

or program that does not assess student segregated fees, then access is limited to the libraries and computer labs. This includes Guest auditors, Senior Guest auditors, some distance delivered Capstone Certificate programs, and off-campus classes.

STUDENT PRIVACY RIGHTS

The university has adopted a policy statement implementing all provisions of the Family Educational Rights and Privacy Act (FERPA) which is available at the Office of the Registrar (<https://registrar.wisc.edu>), 333 East Campus Mall #10101. The university, in accordance with the act, has designated the following as "directory information," which is publicly available unless a student asks to have any or all of it withheld: name; postal address; telephone numbers; e-mail addresses; date of birth; major field(s) of study and number of academic credits earned toward degree; attendance status (including current year, credit load, and full-or part-time status); dates of attendance (matriculation and withdrawal dates); degrees and awards received (type of degree and date granted); previously attended educational agencies or institutions; participation in officially recognized activities; and participation in athletics and weight and height of athletes.

Students wishing to keep some or all of their "directory information" confidential should restrict their information in the Student Center in My UW (<https://my.wisc.edu>). Students with questions about the provisions of the act or who believe the university is not complying with the act may obtain assistance from the Office of the Registrar.

AVAILABILITY OF ACADEMIC RECORD INFORMATION TO OTHERS

A student may authorize a third party (e.g., a parent, guardian, spouse, potential employer, etc.) access to academic record information. An authorization form is available at the Office of the Registrar's website, or by visiting the Office of the Registrar (<https://registrar.wisc.edu>), 333 East Campus Mall #10101. It permits release of specified information on a one-time basis to the specified third party. If no authorization is on file, it is assumed that the student does not give a third party access to academic record information. This policy is designed to give students specific control over the parties to whom academic record information may be released. Grade reports will not be sent by the university to parents or guardians.

ACADEMIC INTEGRITY

UW–Madison students have the obligation to conduct their academic work in a manner consistent with high standards of academic integrity. They also have the right to expect that all students will be graded fairly, and they have the rights of due process should they be accused of academic misconduct. Students become familiar with the rules of academic misconduct (UWS Ch. 14) and consult with their instructors if they have concerns about possibly observing misconduct or whether something is acceptable. For complete discussion of the rules regarding academic integrity, see the Dean of Students website (<https://www.students.wisc.edu/doso>), or contact the assistant dean for academic integrity at 608-263-5700 or Room 70 Bascom Hall.

STUDENT RIGHTS AND RESPONSIBILITIES

Every member of the University of Wisconsin–Madison community has the right to expect to conduct his or her academic and social life in an environment free from threats, danger, or harassment. Students also have the responsibility to conduct themselves in a manner compatible with membership in the university and local communities. UWS Chapters 17 and 18 of the Wisconsin Administrative Code list the university policies

students are expected to uphold and describes the procedures used when students are accused of misconduct. For the complete text of UWS Chapter 17, see this link (https://docs.legis.wisconsin.gov/code/admin_code/uws/17.pdf), or contact the on-call dean in the Dean of Students Office, 608-263-5700, Room 70 Bascom Hall.

No student may be denied admission to, participation in or the benefits of, or discriminated against in any service, program, course or facility of the [UW] system or its institutions or centers because of the student's race, color, creed, religion, sex, national origin, disability, ancestry, age, sexual orientation, pregnancy, marital status or parental status.

STUDENT GRIEVANCE PROCEDURE

Any student at UW–Madison who feels that he or she has been treated unfairly has the right to voice a complaint and receive a prompt hearing of the grievance. The basis for a grievance can range from something as subtle as miscommunication to the extreme of harassment. For assistance in determining options, students can contact the on-call dean in the Dean of Students Office, 608-263-5700, Room 70 Bascom Hall, Monday–Friday, 8:30 a.m.–4:30 p.m.

RESOURCES

ACADEMIC ADVISING AND CAREER COUNSELING

Advising, educational planning, and career counseling (<https://acsss.wisc.edu>) are all available to community adults and university employees, as well as to University Special students and returning adult degree students. The goal is to help adults make a decision regarding further education, returning to complete a degree, or envisioning a path to a more satisfying or meaningful career. ACSSS provides one-on-one appointments, workshops, and informational programs in the community.

FINANCIAL INFORMATION

Many forms of financial aid, including federal financial aid, require a student to be in degree status. Therefore, such aid is not available to University Special students with the exception of those taking prerequisites for graduate or professional school admission (UNRS classification). Students should contact the Office of Student Financial Aid (<https://financialaid.wisc.edu>) to determine specific qualifications.

The Adult Career and Special Student Services office administers a scholarship and grant program specifically for returning adult students and single parent students, mostly in degree status. Grants are awarded three times each year, and scholarships on an annual basis. Details are provided at the ACSSS website Financing Your Education (<https://acsss.wisc.edu/financing-your-education>).

OTHER CAMPUS RESOURCES FOR NONDEGREE AND ADULT STUDENTS

University Special students enrolled for credit and paying student segregated fees have access to the services and programs on the same terms as degree students. This includes University Health Services, Student Health Insurance Plan, McBurney Disability Resource Center, Office of Child Care and Family Resources, the Metro Bus Pass, Division of Information Technology (DoIT), UW Recreational Sports, Veterans Services and Military Assistance Center, and many more. Consult the listing at Adult Career and Special Student Services (<https://acsss.wisc.edu/new-student-resources>) for more information.

NONCREDIT CLASSES AND CERTIFICATES

NONCREDIT CLASSES, UW–MADISON CONTINUING STUDIES

Students interested in supplementing their university credit courses with noncredit classes, certificates, and programs will find hundreds of opportunities through the Division of Continuing Studies (<https://continuingstudies.wisc.edu>).

ACADEMIC CALENDAR

ACADEMIC CALENDAR

Establishment of the academic calendar (<https://www.secfac.wisc.edu/academic-calendar.htm>) for the University of Wisconsin–Madison falls within the authority of the faculty as set forth in Faculty Policies and Procedures. Construction of the academic calendar is subject to various rules and guidelines prescribed by the Board of Regents, the Faculty Senate and State of Wisconsin legislation. Approximately every five years, the Faculty Senate approves a new academic calendar which spans a future five-year period.

The current calendar was adopted by the Faculty Senate in September 2016.

CAPSTONES

Capstone certificates allow individuals with a bachelor's degree to obtain additional professional skills and certification. Capstones do not lead to the conferral of a degree, but do appear on a student's UW–Madison transcript.

Capstone certificate students are admitted as University Special students through Adult Career and Special Student Services (ACSSS). ACSSS as the academic dean is responsible for issues related to student enrollment and the student's official record.

An ACSSS student services coordinator works with each department's capstone certificate coordinator on advising, admissions, enrollment eligibility, and program completion. Capstone certificates typically follow rules of the Graduate School (<https://grad.wisc.edu/acadpolicy>) (<https://grad.wisc.edu/acadpolicy/#enrollmentrequirements>) for tuition, credit limits, and grading.

- Actuarial Science, Capstone Certificate (p. 5)
- Advanced GIS, Capstone Certificate (p. 6)
- Bioinformatics, Capstone Certificate (p. 7)
- Clinical and Community Outcomes, Capstone Certificate (p. 8)
- Clinical Nurse Specialist – Adult/Gerontology, Capstone Certificate (p. 10)
- Clinical Nutrition, Capstone Certificate (p. 11)
- Clinical Nutrition–Dietetic Internship, Capstone Certificate (p. 12)
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- Foundations of Professional Development, Capstone Certificate (p. 16)
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- Fundamentals of Clinical Research, Capstone Certificate (p. 18)
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- GIS Fundamentals, Capstone Certificate (p. 20)
- Global Health, Capstone Certificate (p. 21)
- Infant, Early Childhood and Family Mental Health, Capstone Certificate (p. 23)
- International Politics and Practice, Capstone Certificate (p. 25)
- Leadership for Population Health Improvement, Capstone Certificate (p. 25)
- Nurse Educator, Capstone Certificate (p. 26)
- Post-Graduate Psychiatric Nursing, Capstone Certificate (p. 27)
- Power Conversion and Control, Capstone Certificate (p. 29)
- User Experience Design, Capstone Certificate (p. 30)

HOW TO GET IN

Adult Career and Special Student Services (ACSSS) is the admitting office for all University Special students. The department offering the capstone certificate program makes the final admission decision upon review of all applicant materials. Programs offering capstone certificates monitor all application, academic, and satisfactory progress requirements.

There are two steps to apply for admission to a capstone certificate program:

1. Complete the online University Special student application (<https://acsss.wisc.edu/apply>). This application is received and processed by ACSSS with final decision held for approval from the specific capstone certificate coordinator.
2. Complete all application materials required by the specific capstone certificate program. Each specific capstone certificate has distinct criteria for program eligibility, final admission, and progress.

ACTUARIAL SCIENCE, CAPSTONE CERTIFICATE

The Capstone Certificate in Actuarial Science at the School of Business is a post-baccalaureate program designed to prepare students for an actuarial career. The capstone program is not a degree program. It is a high-quality certificate program designed to prepare students to pass the preliminary professional exams required by the Casualty Actuarial Society (CAS) or the Society of Actuaries (SOA). A key strength of the capstone program is its short time to completion. Full-time students can expect to complete the program in two semesters.

Students accepted into the capstone certificate program have a strong mathematics background and are interested in applying that strength to the actuarial science profession. Capstone students will take classes in actuarial mathematics, predictive modeling, and loss models, and have the option to take other classes with consent from faculty.

Capstone students have access to all School of Business resources available to undergraduate students. Through connections with industry leaders, the University of Wisconsin–Madison Actuarial Science program

offers opportunities for students to learn from practicing actuaries and other professionals. Learning opportunities include presentations by industry experts, Co-Curricular Learning Board (<https://bus.wisc.edu/knowledge-expertise/academic-departments/risk-and-insurance/beyond-degrees/co-curricular-learning-board>) events and Actuarial Club events. Employers recruit UW–Madison’s actuarial science graduates extensively and the demand for actuaries is consistently strong and resilient to economic factors. Students have many resources, such as the Risk and Insurance Career Fair (<https://bus.wisc.edu/knowledge-expertise/academic-departments/risk-and-insurance/beyond-degrees/risk-and-insurance-career-fair>), to connect them with prospective employers so they can begin their actuarial career. Further detail is provided at the School of Business website (<http://bus.wisc.edu/degrees-programs/certificates/capstone/actuarial-science>).

HOW TO GET IN

ADMISSION

Applicants must possess a baccalaureate degree in a discipline other than actuarial science. Applications are accepted for both fall and spring semesters. All application materials must be received by the deadline (<https://bus.wisc.edu/degrees-programs/certificates/capstone/actuarial-science/#careers>) posted on the program website.

APPLICATION STEPS

A complete application includes the following information:

1. An online application for admission (<http://continuingstudies.wisc.edu/advising/apply.htm>) as a University Special student, selecting UNCS Capstone Certificate and the program: Actuarial Science
2. The following program-specific application materials mailed to the Wisconsin School of Business, Attn: Jodi Wortsman, Risk and Insurance Department, 5252A Grainger Hall, 975 University Avenue, Madison, WI 53706:
 - Resume or curriculum vitae
 - Transcripts from all universities attended
 - 2 letters of reference from previous or current supervisors and/or instructors
 - A personal statement that describes your interest in actuarial science, what you would like to do after completion of the Capstone Certificate Program and how the program will help you reach your goals
 - TOEFL scores, if applicable

See the capstone program website (<https://bus.wisc.edu/degrees-programs/certificates/capstone/actuarial-science/#about>) for more information.

ENROLLMENT

Once admitted, candidates will receive a formal letter of admission to UW–Madison from Adult Career and Special Student Services along with enrollment instructions and information about tuition and deadlines. The capstone certificate coordinator also will send specific information pertaining to enrollment in and completion of the capstone program.

Additional detail is provided on the ACSSS enrollment page (<https://acsss.wisc.edu/enrollment>).

REQUIREMENTS

- Must have a minimum GPA of 2.000
- Must complete 15 credits of coursework from the courses listed below. Students can elect to take courses that meet the SOA/CAS Validation by Educational Experience (VEE) requirements with approval from the capstone director.

Prior to joining the capstone program, students must show a strong math background by performing well in a semester-long mathematical probability course or passing SOA/CAS exam P/1. Admitted students will have the opportunity to take prerequisite math, statistics or probability courses (as needed) prior to starting the program.

Code	Title	Credits
Required Classes		
ACT SCI/MATH 303	Theory of Interest and Life Insurance	3
ACT SCI 650	Actuarial Mathematics I	3
ACT SCI 652	Loss Models I	3
Specialization Core		
Choose at least one of:		
ACT SCI 651	Actuarial Mathematics II	3
ACT SCI 653	Loss Models II	3
Choose at least one of:		
ACT SCI 654	Regression and Time Series for Actuaries	3
ACT SCI 655	Health Analytics	3

OPTIONAL SUPPORTING COURSES

Code	Title	Credits
Courses recommended as preparation for an actuarial career:		
MATH/STAT 431	Introduction to the Theory of Probability	3
MATH/STAT 309	Introduction to Probability and Mathematical Statistics I	3
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	3
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II	3
STAT 312	Introduction to Theory and Methods of Mathematical Statistics II	3
ECON 101	Principles of Microeconomics	4
ECON 102	Principles of Macroeconomics	3-4
ECON 111	Principles of Economics-Accelerated Treatment	4
FINANCE/ECON 300	Introduction to Finance	3
FINANCE/ECON 320	Investment Theory	3
Review courses for actuarial examinations:		
ACT SCI 300	Actuarial Science Methods I	1
ACT SCI 301	Actuarial Science Methods II	1

LEARNING OUTCOMES

1. Recognize and explain the concept of risk, and apply the knowledge to the development of insurance products that are used to manage risk for the consumer as well as the risk of those products on the insurance organization.
2. Describe the actuarial profession, including the major professional organizations, the professional obligations of being an actuary, and the requirements to obtain and maintain a professional actuarial designation.
3. Demonstrate skills in critical thinking, quantitative analysis, and communication, as well as to develop an appreciation for actuarial theory, research, and the link to practical application.
4. Demonstrate the soft skills of being a professional.
5. Communicate their experiences and inspire others across the WSOB learning community.

ADVANCED GIS, CAPSTONE CERTIFICATE

The Department of Geography offers an online Advanced Geographic Information Systems (GIS) Capstone Certificate.

The advanced GIS capstone certificate is intended to produce individuals, both inside and outside of Wisconsin, skilled in the conceptual and methodological underpinnings of advanced GIS technology and able to make informed use of current GIS applications in real world problem solving. Advanced GIS capstone certificate students will acquire advanced GIS and related technological skills needed in a wide variety of disciplines, while gaining experience with common commercial and open-source GIS software.

The course package will provide broad competency in mapping science and spatial analysis; consisting of three elective courses, including advanced courses in cartographic design, geovisualization, geocomputing, and spatial and web programming.

HOW TO GET IN

ADMISSION REQUIREMENTS

- A bachelor's degree
- Minimum undergraduate grade point average (GPA) of 3.00 on a 4.00 scale
- Applicants must have a minimum background in GIS; including, **two(2)** undergraduate level courses in introductory GIS and/or cartography. Equivalent work experience will also be considered.
- Submission of unofficial student transcripts, a one-page statement of interest, and two letters of recommendation
- Students cannot enroll in other undergraduate or graduate programs nor take courses outside the prescribed curriculum.
- Students are not permitted to accept graduate assistantships or other appointments that would result in a tuition waiver and .
- Non-native English speakers must also submit a Test of English as a Foreign Language (TOEFL) score that meets Graduate School

minimum requirements (<https://grad.wisc.edu/admissions/requirements>)

Note: Graduate Record Examination (GRE) scores are **NOT** required.

APPLICATION STEPS

1. Submit an online application for admission (<http://continuingstudies.wisc.edu/advising/apply.htm>) as a University Special student, selecting UNCS Capstone Certificate and the program: GIS Fundamentals. This application is received and processed by ACSSS with final decision held for approval from GIS Professional Programs Admissions Committee.
2. Fill out the online supplemental application (https://uwmadison.co1.qualtrics.com/jfe/form/SV_bD9etvxCWHYnrNP). This includes submission of contact information for two references, a letter of interest (one-page essay), and your unofficial transcripts. The GIS program will contact referees for their recommendation letters, but applicants should ensure they will write you a letter prior to submitting their names. Referees will be asked to submit letters of recommendation electronically. Please note that the submission of official transcripts to the GIS Professional Programs (550 North Park St Madison, WI 53706) are required if admitted to the program.
3. International students from non-English-speaking countries must also submit TOEFL scores that meet Graduate School minimum requirements (<https://grad.wisc.edu/admissions/requirements>).
4. Applications are accepted for fall, spring, and summer semesters. **For first consideration apply by March 31 for fall and October 15 for spring. Our application cut-off deadlines are June 30 for fall and December 31 for spring or when we reach capacity.**

Adult Career and Special Student Services (ACSSS) is the admitting office for all University Special students. However, the department offering the capstone certificate program makes the final admission decision upon review of all applicant materials. Consult the GIS Program website (<https://geography.wisc.edu/gis>) for further detail and assistance.

ENROLLMENT

When admitted to the program applicants **MUST** send their official transcripts to the GIS Professional Programs: 550 North Park Street, Madison, WI 53706. Formal recommendation for admission will only occur *after* official transcripts have been received from the appropriate institution(s). Admitted students then receive a formal letter of admission to UW–Madison from Adult Career and Special Student Services along with general enrollment information.

The Department of Geography–GIS Capstone Certificate Program will send an email to admitted students with specific information pertaining to enrollment in courses and completion of the capstone program.

Additional detail is provided on the ACSSS enrollment page (<http://continuingstudies.wisc.edu/advising/enroll-special.htm>).

REQUIREMENTS

STUDENTS IN THIS PROGRAM ARE REQUIRED TO TAKE THREE(3) OF THE FOLLOWING COURSES:

Code	Title	Credits
GEOG 378	Introduction to Geocomputing	4
GEOG 572	Graphic Design in Cartography	4

GEOG 574	Geospatial Database Design and Development	4
GEOG 575	Interactive Cartography & Geovisualization	4
GEOG 576	Geospatial Web and Mobile Programming	4
GEOG 579	GIS and Spatial Analysis	4
Total Credits		12

Students are required to maintain a 3.0 GPA while enrolled in the program. Students who do not meet this requirements risk academic probation or dismissal from the program.

LEARNING OUTCOMES

1. Become grounded in the conceptual and methodological underpinnings of advanced GIS technology in order to make informed use of complex GIS applications in real world problem solving.
2. Acquire advanced technological skills needed in applying GIS towards a wide variety of disciplines while gaining experience with common commercial and open-source GIS software.

BIOINFORMATICS, CAPSTONE CERTIFICATE

HOW TO GET IN

Admissions to the Bioinformatics Capstone Certificate have been suspended as of fall 2016.

REQUIREMENTS

- Must have a minimum GPA of 2.000
- Courses must have a grade of B or better to be accepted

Code	Title	Credits
Statistics Requirement		
B M I/STAT 541 or STAT/ F&W ECOL/ HORT 571	Introduction to Biostatistics Statistical Methods for Bioscience I	3-4
Bioinformatics Requirement		
B M I/COMP SCI 576	Introduction to Bioinformatics	3
B M I/COMP SCI 776	Advanced Bioinformatics	3
Elective Requirement		
Select one of the following:		3
BIOCHEM 711	Sequence Analysis	
B M I/STAT 542	Introduction to Clinical Trials I	
COMP SCI 540	Introduction to Artificial Intelligence	
COMP SCI 545	Natural Language and Computing	
COMP SCI 564	Database Management Systems: Design and Implementation	
COMP SCI 577	Introduction to Algorithms	

COMP SCI 731	Advanced Artificial Intelligence
COMP SCI 760	Machine Learning
COMP SCI 766	Computer Vision
ISYE/BMI 617	Health Information Systems
MATH 605	Stochastic Methods for Biology
MATH/BMI/ BIOCHEM/ BMOLCHEM 606	Mathematical Methods for Structural Biology
MATH 608	Mathematical Methods for Continuum Modeling in Biology
MATH/BMI/ BIOCHEM/ BMOLCHEM 609	Mathematical Methods for Systems Biology
Total Credits	12-13

CLINICAL AND COMMUNITY OUTCOMES, CAPSTONE CERTIFICATE

People who are interested in solving problems in community health, health services, or health policy, may want to supplement their training with the Capstone Certificate in Clinical and Community Outcomes Research.

Current research investments reflect an emphasis on research that looks for ways to translate what has been learned in controlled settings into positive outcomes in clinical practice and community health. This research requires the ability to:

- consider multiple factors that interact to influence a community or organization;
- form and manage research partnerships with communities and organizations;
- evaluate whether a health intervention or prevention method works or will be used; and
- articulate policy implications of health issues and interventions.

The Capstone Certificate in Clinical and Community Outcomes Research focuses on the development of these skills.

The certificate curriculum consists of five courses and one project for a total of 13 to 15 credit hours. Depending on a student's course load, requirements can be completed in two to three years. The certificate requirements are flexible in that you may propose qualifying courses to be considered as elective credit. All courses are face-to-face and taught on the UW–Madison campus during weekdays.

Further detail, including tuition and costs, is available at the Clinical & Community Outcomes website (https://ictr.wisc.edu/certificate-research-programs/?_ga=1.132168526.1391686154.1484336426) or by contacting the institute which hosts the program:

Institute for Clinical and Translational Research
University of Wisconsin–Madison
4240 Health Sciences Learning Center
750 Highland Avenue Madison, WI 53705
info@ictr.wisc.edu
608-263-1018

HOW TO GET IN

ADMISSION

Applicants must possess a baccalaureate degree and not be currently enrolled in a graduate or professional degree program.

Note: This capstone certificate is not a full-time program and therefore cannot admit international students needing an F–1 or J–1 visa.

APPLICATION STEPS

A complete application includes the following:

1. An online application for admission (<http://continuingstudies.wisc.edu/advising/apply.htm>) as a University Special student. On your application, select UNCS Capstone Certificate and the program: Clinical and Community Outcomes. This application is received and processed by Adult Career and Special Student Services (ACSSS). The final admission decision is made by the Institute for Clinical and Translational Research.
2. Submission of the following materials to the capstone certificate program coordinator : Sharon Schumacher, 701 Highland Ave., University of Wisconsin, Madison, WI 53705, scschumache2@wisc.edu:
 - The fillable downloadable program application form (<https://go.wisc.edu/6qydar>);
 - A photocopy of official transcripts from each college attended;
 - A CV or resume; and
 - If English is not your native language or your undergraduate instruction was not in English, please send your official scores from the Test of English as a Foreign Language (TOEFL) or the Michigan English Language Assessment Battery (MELAB). An admitted Capstone applicant must have a TOEFL (paper-based) test score above 580; TOEFL computer-based test (CBT) score above 237; or MELAB score above 82.

Notification of admission to the capstone certificate program:

- Within three weeks after submitting a complete application, the applicant receives notice of the admission decision. Questions regarding the status of the application should be directed to the certificate program coordinator: Sharon Schumacher at scschumache2@wisc.edu (scschumache2@wisc.edu).

ENROLLMENT

Upon admission, the Certificate Faculty Advisory Committee reviews the student's stated research interests and recommends an advisor. At a meeting with the advisor, the program curriculum will be developed in relation to the student's learning and career objectives.

The Adult Career and Special Student Services (ACSSS) will assist with enrollment questions (<http://continuingstudies.wisc.edu/advising/enroll-special.htm>), connecting with other departments and offices on campus, and University policies and procedures (e.g., add, drop, and withdrawal process).

REQUIREMENTS

The certificate in clinical and community outcomes research curriculum consists of five courses and one project for a total of 13 to 5 credit

hours. Depending on course load, students may be able to complete course requirements within two years.

Code	Title	Credits
Core Requirement		3
POP HLTH 709	Translational and Outcomes Research in Health and Health Care	
Project ¹		2
Seminar		1
Select one of the following		
POP HLTH 990	Research (Access, Quality, and Outcomes Research Network) ²	
I SY E 961	Graduate Seminar in Industrial Engineering ³	
Electives ⁴		7-9
See course lists below		
Total Credits		13-15

¹ See "Project" under "Course Requirements" on the program website (<https://ictr.wisc.edu/T2TRCertificate>).

² POP HLTH 990 Research. Choose section 990-092. This is the AQORN seminar (Access, Quality, and Outcomes Research Network), offered through the Health Innovations Program (HIP). AQORN is an informal lunchtime seminar that is open to University of Wisconsin faculty, staff, and students interested in health services research. AQORN meets for 90 minutes, sometimes as frequently as twice a month. At each meeting, someone who has a research project in progress presents information about their project. Then the group discusses and exchanges information and ideas relevant to the project. See the program website (<https://ictr.wisc.edu/T2TRCertificate>) for course-credit requirements and enrollment procedures.

³ I SY E 961 Graduate Seminar in Industrial Engineering is offered through the Department of Industrial and Systems Engineering. Since I SY E 961 is not offered on a regular basis, the alternative is for a student to sign up for a one-credit independent study with Professor Pascale Carayon (carayon@engr.wisc.edu) (Carayon@ie.engr.wisc.edu). The student will be required to watch all of the patient safety seminars (SEIPS—Systems Engineering Initiative for Patient Safety) that have been videotaped over the years. The student will write two one-page summaries of two seminars that are due on the last day of class. The SEIPS seminars are available on the Video Library website (<https://videos.med.wisc.edu>) > Series > Community Academic Partnership (CAP) Patient Safety.

⁴ The certificate advisor can help students choose courses that qualify as fulfilling the three elective areas: (1) Working with Communities, (2) Quantitative, and (3) Qualitative Research Methods Relevant to Translational and Outcomes Research. At least one of the courses must be from outside the student's major. Students may propose to their certificate advisor an alternative course (i.e., not on the list of approved electives) for consideration as elective credit, including a course that also fulfills a requirement for their degree program. For criteria and procedures, see CCOR Handbook on the program website (<https://ictr.wisc.edu/certificate-research-programs>).

⁵ **Integrated courses.** Some courses suggested for elective credit cover a combination of quantitative and qualitative research methods. To fulfill course requirements in the areas of both

"Quantitative" and "Qualitative Research Methods Relevant to Translational and Outcomes Research," students must complete one of each type of course or one integrated Quantitative/Qualitative course and an additional course from either the "Quantitative" or "Qualitative Research Methods Relevant to Translational and Outcomes Research" areas.

PRE-APPROVED ELECTIVES COURSE LISTS

Three courses are required from the electives course lists; one course from each of three of the four course lists. One course **must** be taken from the Working with Communities course list.

Working with Communities

Code	Title	Credits
HDFS 872	Bridging the Gap Between Research and Action	3
HDFS/ED PSYCH/ NURSING/ SOC WORK 880	Prevention Science	3
I SY E 417	Health Systems Engineering	3
I SY E/PSYCH 653	Organization and Job Design	3
I SY E/ POP HLTH 703	Quality of Health Care: Evaluation and Assurance	1-3
NURSING 702	Health Promotion and Disease Prevention in Diverse Communities	3
NURSING 761	Health Program Planning, Evaluation, and Quality Improvement	3
OTM 753	Healthcare Operations Management	3
OTM 758	Managing Technological and Organizational Change	3
OTM 770	Sustainable Approaches to System Improvement	4
S&A PHM 652	Pharmacist Communication: Educational and Behavioral Interventions	2
POP HLTH/ I SY E 703	Quality of Health Care: Evaluation and Assurance	1-3
POP HLTH 780	Public Health: Principles and Practice	3
SOC/C&E SOC 573	Community Organization and Change	3
SOC/C&E SOC/ URB R PL 617	Community Development	3

Quantitative Methods

Code	Title	Credits
CURRIC 715	Design of Research in Curriculum and Instruction	3
ED PSYCH 762	Introduction to the Design of Educational Experiments	3
NURSING 803	Advanced Quantitative Design and Methods	3
S&A PHM 711	Research Methods for Pharmaceutical Outcomes and Policy Research	3
POP HLTH 796	Introduction to Health Services Research	3

POP HLTH 803	Monitoring Population Health	3
PUB AFFR 818	Introduction to Statistical Methods for Public Policy Analysis	3
PUB AFFR 819	Advanced Statistical Methods for Public Policy Analysis	3
PUB AFFR/ POLI SCI 871	Public Program Evaluation	3
SOC WORK 650	Methods of Social Work Research	2-3
SOC WORK/ URB R PL 721	Methods of Planning Analysis	3
SOC 751	Survey Methods for Social Research	3
SOC 752	Measurement and Questionnaires for Survey Research	3
URB R PL/ SOC WORK 721	Methods of Planning Analysis	3
URB R PL/DS/ F&W ECOL 955	Practical Research Design and Methods of Empirical Inquiry	3

Qualitative Methods

Code	Title	Credits
ANTHRO 909	Research Methods and Research Design in Cultural Anthropology	3
COUN PSY/CURRIC/ ED POL/ED PSYCH/ ELPA/RP & SE 788	Qualitative Research Methods in Education: Field Methods I	3
CURRIC/COUN PSY/ ED POL/ED PSYCH/ ELPA/RP & SE 719	Introduction to Qualitative Research	3
ELPA 824	Field Research Designs & Methodologies in Educational Administration	3
MED HIST 728	Biomedical Ethics and Society	1-3
NURSING 804	Advanced Qualitative Design and Methods	3
SOC/ED POL 955	Seminar-Qualitative Methodology	3

Integrated Research Method ⁵

One integrated course may be substituted for one quantitative course or one qualitative course.

Code	Title	Credits
CURRIC 714	Research and Evaluation Paradigms in Curriculum and Instruction	3
ELPA 725	Research Methods and Procedures in Educational Administration	3
MED PHYS/ I SY E 559	Patient Safety and Error Reduction in Healthcare	2
POP HLTH/ I SY E 875	Cost Effectiveness Analysis in Health and Healthcare	3
SOC/C&E SOC 750	Research Methods in Sociology	3
GEN&WS 900	Approaches to Research in Women's Studies/Gender Studies	3

2. Select an evidence-based approach to addressing the health concern.
3. Involve investigators from two or more disciplines and/or stakeholders from two or more sectors as partners in the project.
4. Demonstrate an understanding of collaboration skills for sustainable partnerships, e.g., benefits to the community partner(s) are built into the project; evidence of partner input to project design.
5. Employ data gathering and analysis methods that respect community partners' organizational culture, values, staffing, and work flow.

CLINICAL NURSE SPECIALIST – ADULT/GERONTOLOGY, CAPSTONE CERTIFICATE

Clinical nurse specialists (CNSs) improve the health and well-being of patients, enhance the practice of nurses and nursing units, and improve the quality of health organizations and systems of care. The program will allow clinical nurse specialists to pursue the formal education and certification necessary to support their title and role. Completion of the certification provides the academic credentials required for nurses to sit for national certification as a Clinical Nurse Specialist.

The 15 credits of required courses will be completed over three terms, fall, spring, and summer.

HOW TO GET IN

Applicant requirements

- Master's degree from an accredited nursing program
- Current RN licensure in Wisconsin (or eligibility)
- Completion of prerequisite courses (3 credits each) in physiology, physical assessment, and pharmacology with a grade of B or better. Physiology and physical assessment must be within the previous 5 years and pharmacology must be within 3 years.

Admission

A complete application includes the following:

1. An online application for admission (<http://continuingstudies.wisc.edu/advising/apply.htm>) as a University Special student, selecting UNCS Capstone Certificate and the program: Clinical Nurse Specialist–Adult/Gerontology. This application is received and processed by ACSSS with final decision held for approval from the specific capstone certificate coordinator.
2. Additional steps as required by the School of Nursing.

Enrollment

Admitted students receive a formal letter of admission to UW–Madison from Adult Career and Special Student Services along with general enrollment information. Additional detail is provided on the ACSSS enrollment page (<http://continuingstudies.wisc.edu/advising/enroll-special.htm>).

LEARNING OUTCOMES

1. Develop a research question about a health concern of an actual community.

The School of Nursing will send an email to admitted students with specific information pertaining to enrollment in and completion of the capstone program.

REQUIREMENTS

Code	Title	Credits
NURSING 726	Foundations for APN Clinical Practice I	3
NURSING 727	Foundations for APN Clinical Practice II	3
NURSING 728	Advanced Practice Clinical Application and Role Development I	3
NURSING 729	Advanced Practice Clinical Application and Role Development II	3
NURSING 702	Health Promotion and Disease Prevention in Diverse Communities	3
Total Credits		15

LEARNING OUTCOMES

1. Integrate nursing science with knowledge from the biophysical, psychosocial, analytical, and organizational sciences as the basis for advanced nursing practice in the CNS role.
2. Demonstrate advanced nursing knowledge of assessment and disease management in the adult-gerontological patient populations, including the use of pharmacologic and nonpharmacologic interventions to promote and maintain health.
3. Demonstrate advanced levels of clinical judgment, systems thinking, and professional accountability in designing, delivering, and evaluating evidence-based care to support positive patient outcomes and systems of care.
4. Strategically practice and demonstrate effectiveness within the three spheres of influence that comprise CNS practice: clients, nurses and nursing practice, and organizational systems of care.
5. Guide, mentor, and support other nurses to achieve excellence in clinical nursing practice.

CLINICAL NUTRITION, CAPSTONE CERTIFICATE

The UW–Madison Department of Nutritional Sciences offers a 12-credit online certificate program for professionals to build on knowledge and skills obtained in undergraduate studies and working experiences. It is designed to expand knowledge and give new experiences in areas such as critical care, nutrition support, complex nutritional assessment, nutrition counseling, advanced pediatrics, and clinical nutrition research. The 12-credit program can be completed in one year and consists of four 3-credit courses. Applicants must possess a bachelor's degree and may be admitted any term—fall, spring, or summer.

Further detail, including tuition and costs, is provided at the program's website (<http://nutrisci.wisc.edu/graduate/online-capstone-certificate-in-clinical-nutrition>).

HOW TO GET IN

ADMISSION

Applications are accepted all terms—fall, spring, and summer. Applicants must possess the following:

- Earned bachelor's degree or equivalent
- Minimum cumulative GPA ≥ 3.0 (on 4.0 scale)
- Completed Didactic Program in Dietetics **or** the following prerequisite courses:
 - General chemistry
 - 2 courses in biological sciences
 - 1 course in each of the following: organic chemistry, biochemistry, physiology, statistics
 - 2 courses in nutrition (human nutrition, clinical nutrition)

Note: Applicants who do not have the prerequisites may apply to UW–Madison as a University Special student (p. 34) to complete them, prior to applying for capstone certificate admission.

Application steps

Adult Career and Special Student Services (ACSSS) is the admitting office for all University Special students. However, the Department of Nutritional Sciences makes the final admission decision upon review of all applicant materials.

A complete application includes the following information:

1. An online application for admission (<http://continuingstudies.wisc.edu/advising/apply.htm>) as a University Special student, selecting UNCS Capstone Certificate and the program: Clinical Nutrition. This application is received and processed by ACSSS with final decision held for approval from the Clinical Nutrition Capstone Certificate coordinator.
2. Submit the following materials to Makayla Schuchardt, program manager of the Clinical Nutrition Capstone Program (<http://nutrisci.wisc.edu/graduate/online-capstone-certificate-in-clinical-nutrition>):
 - Official transcripts from all colleges/ universities attended
 - Brief essay describing your reasons for applying and your career goals
 - Resume or curriculum vitae

Makayla Schuchardt, MS, RDN, CNSC

Program Manager, Capstone Certificate in Clinical Nutrition
Department of Nutritional Sciences, UW–Madison
1415 Linden Drive
Madison, WI 53706
608-261-1397
karls@nutrisci.wisc.edu (mlschuchardt@nutrisci.wisc.edu)

ENROLLMENT

Admitted students receive a formal letter of admission to UW–Madison from Adult Career and Special Student Services along with general enrollment information.

The director of the Capstone Certificate in Clinical Nutrition, Department of Nutritional Sciences, will send an email to admitted students with

specific information pertaining to enrollment in courses and completion of the capstone program.

Additional detail is provided on the ACSSS enrollment page (<http://continuingstudies.wisc.edu/advising/enroll-special.htm>).

REQUIREMENTS

- Must have a minimum GPA of 2.000
- Courses must have a grade of C or better to be accepted

Code	Title	Credits
Required Courses		
NUTR SCI 650	Advanced Clinical Nutrition: Critical Care and Nutrition Support	3
NUTR SCI 651	Advanced Clinical Nutrition - Pediatrics	3
NUTR SCI 652	Advanced Nutrition Counseling and Education	3
NUTR SCI 653	Clinical Nutrition Research	3
Total Credits		12

LEARNING OUTCOMES

1. Apply concepts of advanced-level nutrition skills to provide patient care and counseling
2. Synthesize the latest research in clinical nutrition
3. Demonstrate an capability to complete graduate-level work

CLINICAL NUTRITION–DIETETIC INTERNSHIP, CAPSTONE CERTIFICATE

Developed through a partnership among the UW–Madison, UW Medical Foundation, UW Hospitals and Clinics (UWHC), and the UW School of Medicine and Public Health, the Dietetic Internship Certificate Program (<http://www.uwhealth.org/health-professionals/internships/dietetic-internship/main/31875>) incorporates online advanced graduate-level courses in nutrition with supervised practice at our teaching hospital.

The UW Health Dietetic Internship Program is a supervised practice experience consisting of clinical supervised practice and advanced nutrition learning. The dietetic internship program offers the option of a medical nutrition therapy or public health concentration. The program accepts up to 20 interns.

The internship is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). ACEND is recognized by the Council for Higher Education Accreditation (CHEA) and the United States Department of Education (USDE). Upon successful completion of the Capstone Certificate in Clinical Nutrition–Dietetic Internship, graduates receive a Certificate of Program Completion and a Verification Statement of Dietetic Internship Completion, and are then eligible to take the Registration exam administered by the Commission on Dietetic

Registration (<http://cdrnet.org>) of the Academy of Nutrition and Dietetics (<http://www.eatright.org>).

Further detail about the program, including tuition and costs, is available at the Clinical Nutrition: Dietetic Internship (<http://www.uwhealth.org/health-professionals/internships/dietetic-internship/main/31875>) website.

HOW TO GET IN

ADMISSION

The program accepts up to 20 interns each year, who start in the summer term. For details regarding the selection process, the program website should be consulted: UW–Madison Capstone Program in Clinical Nutrition–Dietetic Internship. (<http://www.uwhealth.org/health-professionals/internships/dietetic-internship/applying/31880>) The following are the basic requirements:

- Have a bachelor's degree from an accredited college or university or its equivalent and a minimum grade point average of 3.00 on a 4.00 scale, as well as ACEND-accredited coursework requirements
- Have taken the GRE
- Thoroughly review the Dietetic Internship Application Process (<http://www.uwhealth.org/health-professionals/internships/dietetic-internship/applying/31880>)
- Be either a citizen of the United States or able to maintain work authorization throughout the internship; UW Hospital and Clinics does not offer visa sponsorship to candidates for the Dietetic Internship Certificate program
- All applicants are advised to determine whether this program meets requirements for licensure in the state where they live. See the Commission on Dietetic Registration (<https://www.cdrnet.org/state-licensure>) website for contact information for state licensing boards.

Application steps:

Step 1: Apply to DICAS, the Dietetic Internship Computerized Application System (<https://portal.dicas.org>), by the posted deadline. Additional application materials include two academic letters of reference (ideally from professors in food or nutrition, food service management, or science), one professional letter of reference from a supervisor who can comment on relevant work experience, a complete set of official transcripts for all institutions attended, a statement of reasons for post-baccalaureate studies, and a résumé or curriculum vitae.

Step 2: Register and participate in computer matching to D&D Digital Systems (<http://www.dnddigital.com>). Please note that D&D charges a fee for the computer matching process. If the match is with the UW Hospital and Clinics Dietetic Internship, an invitation will be sent to submit a formal online employment application.

ENROLLMENT

The Dietetic Internship Program will send an email to students who match with UW Health Dietetic Internship with specific information pertaining to admission, enrollment in and completion of the capstone program.

REQUIREMENTS

- Must have a minimum GPA of 3.00

- Courses must have a grade of C or better to be accepted

Code	Title	Credits
Core Courses		
NUTR SCI 650	Advanced Clinical Nutrition: Critical Care and Nutrition Support	3
NUTR SCI 651	Advanced Clinical Nutrition - Pediatrics	3
NUTR SCI 652	Advanced Nutrition Counseling and Education	3
NUTR SCI 653	Clinical Nutrition Research	3
Practicum Courses		
NUTR SCI 670	Nutrition and Dietetics Practicum I	3
NUTR SCI 671	Nutrition and Dietetics Practicum II	3
Total Credits		18

LEARNING OUTCOMES

1. Apply the study of metabolic demands of critical illness and how these alterations influence the nutritional needs of critical care patients.
2. Develop techniques for counseling and education for in-patient and out-patient care.
3. Assess research articles and solve clinical nutrition problems using research and analysis.

COMMUNICATION SCIENCES AND DISORDERS, CAPSTONE CERTIFICATE

The UW–Madison Capstone Certificate in Communication Sciences and Disorders is offered to students who have completed an undergraduate degree in a field other than communication sciences and disorders, and who wish to prepare themselves for admission to a graduate training program in communication sciences and disorders. The certificate is designed primarily for students who wish to pursue a clinical graduate degree (M.S. in speech–language pathology, or Au.D. in audiology), but is also appropriate for students from other fields who wish to pursue a research graduate degree in communication sciences and disorders.

The certificate is earned upon completion of the nine courses, to be completed in one academic year. Most capstone certificate students will take all nine courses (24 credits total), but in some cases one or two courses may be waived depending on coursework taken previously, during the undergraduate degree. The minimum number of credits required for the certificate is 18.

Further detail, including current tuition and costs, is provided on the program's website (<https://csd.wisc.edu/post-bac-certificate.htm>) or by contacting:

Post-baccalaureate Capstone Certificate Program
Department of Communication Sciences and Disorders
Goodnight Hall
University of Wisconsin–Madison
1975 Willow Drive, Room 318
Madison, WI 53706-1103

graduate@csd.wisc.edu
608-262-6464

HOW TO GET IN

ADMISSION

Applicants must possess a baccalaureate degree with a minimum GPA of 3.0 on a 4.0 scale. Applications are accepted for the fall semester, with a priority deadline of May 1. Adult Career and Special Student Services (ACSSS) is the admitting office for all University Special students. However, the department offering the Capstone Certificate program makes the final admission decision upon review of all applicant materials.

APPLICATION STEPS

A complete application includes the following:

1. An online application for admission (<http://continuingstudies.wisc.edu/advising/apply.htm>) as a University Special student, selecting UNCS Capstone Certificate and the program: Communication Sciences and Disorders. This application is received and processed by ACSSS with final decision held for approval from the specific capstone certificate coordinator.
2. Send to the Department of Communication Sciences and Disorders Graduate Studies Coordinator via graduate@csd.wisc.edu or the address below:
 - an official college transcript confirming completion of an undergraduate degree with a minimum GPA of 3.0 on a 4.0 scale, or proof that an undergraduate degree will be completed prior to beginning the capstone certificate program
 - an English proficiency test score if your native language is not English or if your undergraduate instruction was not in English

Post-Bac Capstone Certificate Program
Department of Communication Sciences and Disorders
University of Wisconsin-Madison
1975 Willow Drive, Room 318
Madison, WI 53706-1103

Notification of acceptance to the program will be sent within four weeks of receiving an application.

ENROLLMENT

Admitted students receive a formal letter of admission to UW–Madison from Adult Career and Special Student Services along with general enrollment information. Additional detail is provided on the ACSSS enrollment page (<http://continuingstudies.wisc.edu/advising/enroll-special.htm>).

The Department of Communication Sciences and Disorders will send specific information pertaining to enrollment in courses for fall and completion of the capstone program.

REQUIREMENTS

- Must have a minimum GPA of 3.000
- Certificate requires 18 credits

Code	Title	Credits
Required Gateway Courses (Prerequisites)		

CS&D 201	Speech Science	3
CS&D 202	Normal Aspects of Hearing	3
CS&D 240	Language Development in Children and Adolescents	3
Total Credits		9

Code	Title	Credits
Required Core Courses		
CS&D 315	Phonetics and Phonological Development	3
CS&D 320	Introduction to Audiology	3
CS&D 371	Pre-Clinical Observation of Children and Adults	3
CS&D 425	Auditory Rehabilitation	3
CS&D 440	Child Language Disorders, Assessment and Intervention	3
CS&D 699	Directed Study	3
or CS&D 318	Voice, Craniofacial and Fluency Disorders	
Total Credits		18

LEARNING OUTCOMES

1. Obtain basic foundational knowledge of normal aspects of speech, language, and hearing.
2. Obtain a broad based understanding of the range of speech, language, and hearing disorders.
3. Understand general principles of assessment and intervention in speech, language, and hearing disorders.
4. Gain observational clinical exposure to a range of patients with speech, language, and hearing disorders.

COMPUTER SCIENCES FOR PROFESSIONALS, CAPSTONE CERTIFICATE

The Professional Capstone Certificate Program offered by the University of Wisconsin–Madison Department of Computer Sciences is designed to help students transition towards a career as a qualified software developer. Students must possess a bachelor's degree prior to admission. Depending on background, the program can be completed in four to six semesters. Designed for the working professional, several courses are offered in the evening, off campus, each semester. Students also have the option to apply for the Professional Master's Program (<http://guide.wisc.edu/graduate/computer-sciences/computer-sciences-ms/computer-sciences-professional-program-ms>), after completing the capstone certificate program, to obtain an M.S. degree in computer sciences in another one to one-and-a-half years.

Further detail, including tuition and other cost, is available at the program website (<http://www.cs.wisc.edu/academics/graduate-programs/pcp>) or by contacting the department:

Professional Programs Coordinator
Department of Computer Sciences

University of Wisconsin–Madison
1210 West Dayton Street , Room 5378
Madison, WI 53706-1613
608-262-5601
pcp-admissions@cs.wisc.edu

HOW TO GET IN

ADMISSION

Applicants must possess a baccalaureate degree. The application deadline to be considered for fall or summer term is April 15. The application deadline to be considered for spring term is November 15. Applications received after the deadline will be reviewed on a rolling basis. Adult Career and Special Student Services (ACSSS) is the admitting office for all University Special students. However, the Department of Computer Sciences (<http://www.cs.wisc.edu/academics/graduate-programs>) makes the final admission decision upon review of all applicant materials. Please contact pcp-admissions@cs.wisc.edu ([pcp-admissions@cs.wisc.edu?subject=PCP application question](mailto:pcp-admissions@cs.wisc.edu?subject=PCP%20application%20question)) for assistance with applying.

Application steps

A complete application includes the following information:

1. An online application for admission (<http://continuingstudies.wisc.edu/advising/apply.htm>) as a University Special student, selecting UNCS Capstone Certificate and the program: Computer Science for Professionals.
2. The Professional Capstone Certificate Program Supplement form required by the department. It is provided on the program websites (<http://www.cs.wisc.edu/academics/graduate-programs/pcp/pcp-application>).

ENROLLMENT

Admitted students receive a formal letter of admission to UW–Madison from Adult Career and Special Student Services along with general enrollment information.

The Department of Computer Sciences will send an email to admitted students with specific information pertaining to enrollment in courses and completion of the capstone program.

Additional detail about the enrollment process is provided on the ACSSS enrollment page (<http://continuingstudies.wisc.edu/advising/enroll-special.htm>).

REQUIREMENTS

- Must have a minimum GPA of 2.000
- Courses must have a grade of C or better to be accepted
- At least two courses must be at the 400 level or above

Those totally new to computer sciences will begin with two introductory courses, COMP SCI 200 Programming I OR COMP SCI 301 Introduction to Data Programming AND COMP SCI 300 Programming II, followed by four fundamental courses to complete the program. Those with a basic background to computer sciences will skip the introductory courses. Designed for the working professional, several courses are offered in the evening, off campus, each semester.

FUNDAMENTAL COURSES

Take **four** from the following list, for a total of **12 credits**:

Code	Title	Credits
COMP SCI/E C E 354	Machine Organization and Programming	3
COMP SCI 400	Programming III	3
COMP SCI/E C E 506	Software Engineering	3
COMP SCI/E C E/M E 532	Matrix Methods in Machine Learning	3
COMP SCI 536	Introduction to Programming Languages and Compilers	3
COMP SCI 537	Introduction to Operating Systems	4
COMP SCI 540	Introduction to Artificial Intelligence	3
COMP SCI/E C E 552	Introduction to Computer Architecture	3
COMP SCI 559	Computer Graphics	3
COMP SCI 564	Database Management Systems: Design and Implementation	4
COMP SCI 570	Introduction to Human-Computer Interaction	4
COMP SCI 577	Introduction to Algorithms	4
COMP SCI 640	Introduction to Computer Networks	3

Students can complete the entire program from a distance (except a two-day, in-person orientation) or in a blended (in-person + online) format.

Students complete four 3-credit courses, for 12 graduate-level credits. On average, students take 12–18 months to complete the certificate program.

Further detail, including current tuition and costs, is available at the program's website (<https://www.patientpartnerships.org/education/adult-and-returning-students>) or contact below:

The Center for Patient Partnerships
University of Wisconsin–Madison Law School
975 Bascom Mall, Suite 4311
Madison, WI 53706-1399
608-265-6267
info@patientpartnerships.org
Fax 608-265-4332

HOW TO GET IN

Applicants must possess a baccalaureate degree. Adult Career and Special Student Services (ACSSS) is the admitting office for all University Special students. However, the department offering the capstone certificate program makes the final admission decision upon review of all applicant materials. All application materials must be received by the deadline posted on the program website.

APPLICATION STEPS

A complete application includes the following information:

1. An online application for admission (<http://continuingstudies.wisc.edu/advising/apply.htm>) as a University Special student, selecting UNCS Capstone Certificate and the program: Consumer Health Advocacy. This application is received and processed by ACSSS with final decision held for approval from the specific capstone certificate coordinator.
2. An application and materials required by the Center for Patient Partnerships, with their certificate's online application provided on the program's website here (<https://www.patientpartnerships.org/education/apply>).

Materials required include:

- a personal statement,
- résumé,
- two references,
- one letter of recommendation,
- transcripts for any current program or coursework and all prior degrees,
- and a \$75 non-refundable application fee
- the Center for Patient Partnerships (CPP) application (<https://www.patientpartnerships.org/education/apply>)

ENROLLMENT

Admitted students receive a formal letter of admission to UW–Madison from Adult Career and Special Student Services along with general enrollment information. Additional detail is provided on the ACSSS enrollment page (<http://continuingstudies.wisc.edu/advising/enroll-special.htm>).

LEARNING OUTCOMES

1. Recognize and apply the core principles of Computing (abstractions and algorithms) to solve real-world problems.
4. Use fundamental and detailed knowledge, skills, and tools (e.g., specific algorithms, techniques methods, etc.) of computer science and develop the ability to acquire new knowledge, skills, and tools.
5. Design and implement software.
8. Can solve problems by applying a broad toolbox of knowledge and techniques

CONSUMER HEALTH ADVOCACY, CAPSTONE CERTIFICATE

The UW–Madison Center for Patient Partnerships (CPP) (<http://www.patientpartnerships.org>) provides the online Consumer Health Advocacy Capstone Certificate (<https://www.patientpartnerships.org/education/adult-and-returning-students>) to educate learners interested in advocacy on behalf of anyone facing barriers to their health care. It is ideal for people who want to help their families get the care they need, change careers, or deepen existing professional practice. It is also for those that want to gain valuable direct patient service before enrolling in graduate or professional school, become professional health care advocates, or explore next steps without a clear view of what's on the horizon.

Within the certificate program, the center' offers two tracks focused on either individual-level patient advocacy or system/policy level health advocacy. Its educational approach (<https://www.patientpartnerships.org/education/our-approach>) encourages hands-on learning by advocating for patients directly through the nation's only certificate program with an experiential Patient Advocacy Clinic.

The coordinator for the capstone certificate will send an email to admitted students with specific information pertaining to enrollment in and completion of the capstone program.

REQUIREMENTS

- Must have a minimum GPA of 3.000

Code	Title	Credits
Foundation Courses		
LAW 940	Law and Contemporary Problems (Introduction to Health Advocacy)	3
LAW/MED SC-M/ NURSING 768	Consumer Health Advocacy and Patient-Centered Care Clinical (Intro)	3
LAW/MED SC-M/ NURSING 768	Consumer Health Advocacy and Patient-Centered Care Clinical (Advanced)	3
LAW 940	Law and Contemporary Problems (Models of System Level Advocacy)	3
Total Credits		12

LEARNING OUTCOMES

1. Develop advocacy capacity that emphasizes patient empowerment.
2. Develop critical health advocacy competencies including communication, collaborative decision making, cultural humility, and ethics.
3. Experience the discipline of advocacy from a case-based perspective, and explore how various key advocacy roles can be useful in specific situations.
4. Gain familiarity with the U. S. health care delivery system and the systemic problems that give rise to the need for advocacy at the individual organizational and policy levels.

DATA ANALYTICS FOR DECISION MAKING, CAPSTONE CERTIFICATE

HOW TO GET IN

The first term for enrollment into the Capstone Certificate in Data Analytics for Decision Making is **spring 2019**.

REQUIREMENTS

Code	Title	Credits
L I S/COM ARTS 705	Introductory Analytics for Decision Making ¹	3
L I S 706	Data Mining Planning and Management	3

L I S 707	Data Visualization and Communication for Decision Making	3
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Total Credits	9
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¹ L I S/COM ARTS 705 MUST be taken first.

LEARNING OUTCOMES

1. Students can formulate questions related to existing organizational goals or challenges, identify sources of data to answer those questions, and design and implement a data analysis plan to answer the questions.
2. Students will demonstrate competency with a range of data collection and analysis techniques and tools appropriate to organizational decision making and assessment including the basics of data mining and visualizations.
3. Students can effectively communicate the rationale for a data project and the results of their analysis across different types of media and using best practices of textual and visual communications.
4. Students can articulate the possible information value and the limitations of data and analytics projects based on understanding of data quality, data availability, metadata functionality and other data management issues.

FOUNDATIONS OF PROFESSIONAL DEVELOPMENT, CAPSTONE CERTIFICATE

This 9-credit certificate in professional leadership is fully online. Offered by the UW–Madison College of Engineering, it is completely multidisciplinary—with instructors from across the UW–Madison campus to provide critical insights on topics such as marketing, finance, project management, legal concepts, and information management. The certificate is built from a selection of 14 one-credit courses in areas such as information and project management, communication, marketing, negotiations, and legal studies. Each course is eight weeks. Throughout these course sprints, the student is immersed in projects alongside other professionals who share similar challenges and passions. Designed for working professionals, students may start the certificate program at the beginning of any 8-week session year round. Students work at their own pace, but may complete the certificate in as little as 10 month or as long as five years.

Further information, including tuition and costs, is available at the website of the Department of Engineering Professional Development (<https://epd.wisc.edu/online-degree/foundations-of-professional-development-certificate>).

HOW TO GET IN

ADMISSION

Applicants must possess a baccalaureate degree. Applications are accepted on a rolling schedule. Students may begin the program at the start of any term (fall, spring, or summer). Adult Career and Special Student Services (ACSSS) is the admitting office for all University Special students, including capstone certificate students. However, the

department offering the capstone certificate program makes the final admission decision upon review of all applicant materials.

Admission requirements for the Capstone Certificate Foundations of Professional Development program are:

1. Hold bachelor's degree or equivalent credential from an accredited college or university.
2. A minimum undergraduate grade-point average (GPA) of 3.00 on the equivalent of the last 60 semester hours (approximately two years of work) or a master's degree with a minimum cumulative GPA of 3.00. Applicants from an international institution must have a strong academic performance comparable to a 3.00 for an undergraduate or master's degree.
3. Applicants whose native language is not English must provide scores from the Test of English as a Foreign Language (TOEFL). The minimum acceptable score on the TOEFL is 580 on the written version, 243 on the computer version, or 92 on the Internet version.

Exceptions to standard admission requirements are considered by the admissions committee on an individual basis.

Application steps

1. Communicate *Intent to Apply* to the program: Send an email to the chair of the admissions committee, shainah.greene@wisc.edu, and state an intent to apply to the certificate. Attach an unofficial transcript that shows cumulative GPA and bachelor's degree received.
2. Submit an online application for admission (<https://acsss.wisc.edu/apply>) as a University Special student, selecting UNCS Capstone Certificate and the program: Foundations of Professional Development. This application is received and processed by ACSST with final decision held for approval from the specific capstone certificate coordinator.
3. Arrange to have transcripts of all previous educational institutions and a letter of recommendation sent directly to the chair of the admissions committee (<https://epd.wisc.edu/online-degree/foundations-of-professional-development-certificate/#/apply>) for the capstone certificate program: Attn: Shainah Greene, 432 North Lake Street, Room 701, Madison, WI 53706.

Note: Transcripts should be sent directly by the educational institution to the program.

The letter of recommendation should be from an employer or colleague. Use the Download Recommendation Form, (http://epdfiles.engr.wisc.edu/pdf_web_files/distancedegrees/Letter_of_Rec_Form-CapstoneCert.pdf) which should be sent by email directly by your recommender to the chair of the admissions committee, shainah.greene@wisc.edu.

4. After all of application materials have been received, the admissions committee chair contacts applicants for a phone interview. After the interview, the complete application will be presented to the Admissions Committee for evaluation at its next scheduled meeting.

Final admissions decision

Admission decisions are made in the order completed applications are received. The committee will make one of the following decisions:

- Recommend admission
- Defer consideration until the regular consideration review meeting.

- Decline further consideration of your application.

After a decision is made, the admissions committee chair will contact applicants by email to inform them of the decision and to schedule a time to discuss the decision and any next steps. The ACSST is also notified of the final admission decision and completes the formal process for UW–Madison admissions.

ENROLLMENT

Admitted students receive a formal letter of admission to UW–Madison from Adult Career and Special Student Services along with general enrollment information.

The Foundations in Professional Development program will send an email to admitted students with specific information pertaining to enrollment in courses and completion of the capstone program.

Additional detail is provided on the ACSST enrollment page (<http://continuingstudies.wisc.edu/advising/enroll-special.htm>).

REQUIREMENTS

- Must have a minimum GPA of 2.000
- Certificate requires 9 credits

Code	Title	Credits
Personal Development		
E P D 700	Connected Learning Essentials	1
E P D 701	Writing for Professionals	1
or E P D 702	Professional Presentations	
Team Development		
E P D/GEN BUS/ M H R 783	Leading Teams	1
E P D 706	Change Management	1
or E P D/ GEN BUS/ OTM 784	Project Management Essentials	
Organizational Development		
E P D 704	Organizational Communication and Problem Solving	1
E P D 712	Ethics for Professionals	1
or E P D 713	Key Legal Concepts for Professionals	
Additional Core Courses		3
Select three courses from this list that have NOT already been taken:		
E P D 701	Writing for Professionals	
E P D 702	Professional Presentations	
E P D/L I S 703	Managing Digital Information	
E P D 706	Change Management	
E P D 708	Creating Breakthrough Innovations	
E P D 712	Ethics for Professionals	
E P D 713	Key Legal Concepts for Professionals	
E P D/ACCT I S/ GEN BUS 781	Financial and Business Acumen	
E P D/GEN BUS/ MARKETNG 782	Marketing for Non-Marketing Professionals	

E P D/GEN BUS/ Effective Negotiation Strategies
M H R 785

E P D/GEN BUS/ Project Management Essentials
OTM 784

Total Credits 9

LEARNING OUTCOMES

1. Strategically manage complex information and projects in a digital environment.
2. Select and successfully apply effective communication strategies in the workplace.
3. Employ proven methods to effectively and ethically work across disciplinary and organizational boundaries.
4. Recognize and analyze trends within your discipline and workplace.

FRENCH STUDIES AT THE GRADUATE LEVEL, CAPSTONE CERTIFICATE

HOW TO GET IN

Admissions to the French Studies at the Graduate Level Capstone Certificate have been suspended as of summer 2016.

REQUIREMENTS

- Certificate requires 20 credits
- Must have a minimum GPA of 2.000 in concentration area

Code	Title	Credits
Required Courses		9
Concentration Area		8
Internship		3
Total Credits		20

REQUIRED COURSES

Code	Title	Credits
FRENCH 615	Grammaire avancée	3
FRENCH 623	Communication orale en situations professionnelles	3
FRENCH 642	Culture et sociétés dans le monde francophone	3
FRENCH 799	Independent Study	1-6
FRENCH 901	Seminar-Materials and Methods of Research	1-3

CONCENTRATION AREA

Concentration area courses must be at 300 level or above and require permission of your PFMP advisor.

Business Concentration

Code	Title	Credits
MARKETNG 710	Marketing Research	3
MARKETNG 700	Marketing Management	3
MARKETNG/INTL BUS 420	Global Marketing Strategy	3

Education Concentration

Code	Title	Credits
FRENCH/ITALIAN 821	Issues in Methods of Teaching French and Italian	1-3
FRENCH 799	Independent Study	1-6

European Union Affairs Concentration

Code	Title	Credits
POLI SCI 315	Legislative Internship	3

International Development Concentration

Code	Title	Credits
A A E/ECON/ENVIR ST 343	Environmental Economics	3-4
A A E/ENVIR ST 244	The Environment and the Global Economy	3
POLI SCI 354	International Institutions and World Order	3-4

International Education Concentration

Code	Title	Credits
ELPA 736	Administration of Student Services in Higher Education	3
FRENCH 799	Independent Study	1-6

Media/Arts/Cultural Production Concentration

Code	Title	Credits
MARKETNG 415	Marketing Communications	3
MARKETNG 310	Marketing Research	3
DS 355	History of Fashion, 1400-Present	3

Individual Concentration

Designed in Consultation with Advisor.

INTERNSHIP

Code	Title	Credits
FRENCH 793	Professional French Masters Program Internship	3

FUNDAMENTALS OF CLINICAL RESEARCH, CAPSTONE CERTIFICATE

The Capstone Certificate in the Fundamentals of Clinical Research (<https://ictr.wiscweb.wisc.edu/documents/fundamentals-of-clinical-research-certificates>) is offered through the UW–Madison Institute for Clinical and Translational Research (UW ICTR) (<https://ictr.wisc.edu>), part of a national consortium of patient care and research institutes funded by the National Institutes of Health (NIH) Clinical and Translational Science Awards (<https://ncats.nih.gov/ctsa/about>). The certificate

allows students to understand and practice evidence-based research to help tackle the world's complex research questions—such as those in therapeutics, diagnostics, and preventative health care—and bring solutions to patients. Courses are taught by UW–Madison faculty in population health sciences, biostatistics, veterinary surgical sciences, oncology, and medical history and bioethics.

The Fundamentals of Clinical Research Capstone Certificate provides formal training and a practicum in research design and statistical analysis for professionals in health care, biotechnology, and the pharmaceutical industry. The certificate program requires at least 13 credits, which are completed on average in just under two years. Designed for the working professional, courses are offered after 4 p.m.

Further detail, including current tuition and cost, is available at the program website (<https://ictr.wisc.edu/certificate-research-programs>).

Sally Wedde, Program Manager

Certificate in the Fundamentals of Clinical Research

UW–Madison

2112G Health Sciences Learning Center

Madison, Wisconsin 53705

rec-education@hslc.wisc.edu (Rec-Education@hslc.wisc.edu)

HOW TO GET IN

The capstone program is for health professionals or health program managers who do not have an existing student relationship with the University.

Students do not need to be seeking a degree to earn the Capstone Certificate in the Fundamentals of Clinical Research.

Applicants must have at least a bachelor's degree, as the required courses are graduate level.

The application is free, relatively brief, and online. Through the online application process, the university will determine whether the applicant is a Wisconsin resident or a non-Wisconsin resident for tuition purposes.

Submit your application to the Fundamentals of Clinical Research Certificate Program (UNCS453) (<https://acsss.wisc.edu/apply>) through the Division of Continuing Studies.

Once admitted, you will receive a formal letter of admission. The letter will contain course enrollment instructions and information about tuition and registration deadlines.

For more information, please contact program manager Sally Wedde at rec-education@hslc.wisc.edu (Rec-Education@hslc.wisc.edu)

REQUIREMENTS

- Must have a minimum GPA of 3.000 during the program to remain in good standing
- Additional option for ethical conduct of research may be available for new faculty or team-leading independently funded researchers
- Students complete 13–14 graduate-level credits.

REQUIRED COURSES

Code	Title	Credits
B M I/STAT 541	Introduction to Biostatistics	3
B M I/STAT 542	Introduction to Clinical Trials I	3
B M I 544	Introduction to Clinical Trials II	3
POP HLTH/SOC 797	Introduction to Epidemiology	3

Select one of the following:

SURG SCI 812	Research Ethics and Career Development
MED HIST 545	Ethical and Regulatory Issues in Clinical Investigation
NURSING 802	Ethics and the Responsible Conduct of Research
PHARMACY 800	Research Ethics: Scientific Integrity and the Responsible Conduct of Research
OBS&GYN 955	Responsible Conduct of Research for Biomedical Graduate Students

LEARNING OUTCOMES

1. Determine when it is appropriate to use a patient -oriented research design to investigate a translational clinical problem.
2. Understand the principles of clinical research design and statistical analysis.
3. Understand the principles of multidisciplinary patient -oriented clinical research protocols.
4. Apply and foster professional, ethical and responsible conduct of clinical research.

GEOGRAPHIC INFORMATION SYSTEMS, CAPSTONE CERTIFICATE

Admissions to the Geographic Information Systems Capstone Certificate have been suspended as of fall 2018. If you have any questions, please contact the department (gispp@geography.wisc.edu).

The Department of Geography offers a one-year GIS certificate program intended to provide a mix of GIS theory and practical experience for many possible applications and fields such as: agriculture, archaeology, conservation, demography, economics, emergency management, law enforcement, earketing, natural resource management, public health, transportation, urban planning, wildlife ecology, and more.

Geographic information systems (GIS) is a discipline devoted to the acquisition, storage, management, analysis, and visualization of spatial data. GIS provides the ability to integrate and analyze spatial and non-spatial information for mapping, planning and decision-making.

The primary goal of the capstone certificate program is to ensure that students become sufficiently grounded in theoretical underpinnings of GIS to make informed use of existing GIS applications and gain skills needed to construct new applications in the physical or social realms. The full range of GIS capabilities is covered, including data capture, analysis, modeling and cartographic representation. Through hands-on exposure in the form of lab exercises, course projects, and an internship

or independent project, experience will be acquired with major GIS software packages, including ArcGIS. By teaching concepts and hands-on use, the program differs from a typical short course designed for GIS training in a particular software package.

The program is intended to serve:

- recent graduates who wish to acquire technical expertise to support the topical knowledge gained in their undergraduate major
- returning students who wish to acquire specialized training to meet current (or future) job requirements calling for GIS knowledge

This program consists of **4 core courses**, a minimum of **1 elective** and an **independent capstone project**. Students must complete a minimum of 16 credits while in the program. It may be possible to transfer in 4 credits of required coursework taken previously (approval needed if taken at another institution).

The **2-credit capstone project** is tailored to individual backgrounds and interests. The program welcomes work-related projects by students who are presently employed. The capstone project can be taken any semester but should be taken in conjunction with or after taking G578 (Applications of GIS).

Please note: Students entering in spring semesters may need three semesters to complete coursework since the GEOG 578 is not offered in the fall and requires GEOG/CIV ENGR/ENVR ST 377 as a prerequisite.

No certificate courses are offered in the summer.

HOW TO GET IN

Admissions to the Geographic Information Systems Capstone Certificate have been suspended as of fall 2018. If you have any questions, please contact the department (gispp@geography.wisc.edu).

REQUIREMENTS

- Must have a minimum GPA of 3.000

Code	Title	Credits
Course Courses		
GEOG 370	Introduction to Cartography	4
GEOG/CIV ENGR/ ENVR ST 377	An Introduction to Geographic Information Systems	4
GEOG 560	Advanced Quantitative Methods	3
GEOG 578	GIS Applications	4
Required Elective Course		
Select one of the following:		3-4
GEOG/ENVR ST/ F&W ECOL/ G L E/GEOSCI/ LAND ARC 371	Introduction to Environmental Remote Sensing	
GEOG 378	Introduction to Geocomputing	
GEOG 572	Graphic Design in Cartography	
GEOG 575	Interactive Cartography & Geovisualization	
Internship/Capstone Course		

GEOG 602	Internship	2
Total Credits		20-21

LEARNING OUTCOMES

1. Become grounded in the conceptual underpinnings of GIS technology in order to make informed use of current GIS applications.
2. Acquire the technological skills needed to construct new GIS applications in a wide variety of disciplines.
3. Use common GIS techniques to collect, analyze, process, and display geographic data.
4. Apply GIS to solve real-world problems.
5. Gain experience with common commercial and open-source GIS software.

GIS FUNDAMENTALS, CAPSTONE CERTIFICATE

The Department of Geography offers an online Geographic Information Systems (GIS) Fundamentals Capstone Certificate.

The GIS Fundamentals Capstone Certificate is intended to produce individuals, both inside and outside of Wisconsin, skilled in the basic conceptual and methodological underpinnings of GIS technology and able to make informed use of current GIS applications in real world problem solving. GIS Fundamentals Capstone Certificate students will acquire basic technological skills needed in applying GIS towards a wide variety of disciplines while gaining experience with common commercial and open-source GIS software.

The course package will provide foundational competency in mapping science and spatial analysis; consisting of 3 core courses. These core courses include two introductory courses covering fundamentals in cartography and GIS and a third more intensive programming course.

HOW TO GET IN

ADMISSION REQUIREMENTS

- A bachelor's degree
- Minimum undergraduate grade point average (GPA) of 3.00 on a 4.00 scale
- Submission of unofficial student transcripts, a one-page statement of interest, and two letters of recommendation
- Students cannot enroll in other undergraduate or graduate programs nor take courses outside the prescribed curriculum.
- Students are not permitted to accept graduate assistantships or other appointments that would result in a tuition waiver and .
- Non-native English speakers must also submit a Test of English as a Foreign Language (TOEFL) score that meets Graduate School minimum requirements (<https://grad.wisc.edu/admissions/requirements>)

Note: Graduate Record Examination (GRE) scores are **NOT** required.

APPLICATION STEPS

1. Submit an online application for admission (<http://continuingstudies.wisc.edu/advising/apply.htm>) as a University Special student, selecting UNCS Capstone Certificate and the program: GIS Fundamentals. This application is received and processed by ACSSS with final decision held for approval from GIS Professional Programs Admissions Committee.
2. Fill out the online supplemental application (https://uwmadison.co1.qualtrics.com/jfe/form/SV_bD9etvxCWHYnrNP). This includes submission of contact information for two references, a letter of interest (one-page essay), and your unofficial transcripts. The GIS program will contact referees for their recommendation letters, but applicants should ensure they will write you a letter prior to submitting their names. Referees will be asked to submit letters of recommendation electronically. Please note that the submission of official transcripts to the GIS Professional Programs (550 North Park St Madison, WI 53706) are required if admitted to the program.
3. International students from non-English speaking countries must also submit TOEFL scores that meet Graduate School minimum requirements (<https://grad.wisc.edu/admissions/requirements>)
4. Applications are accepted for fall, spring, and summer semesters. For first consideration apply by March 31st for Fall and October 15th for Spring. Our application cut-off deadlines are June 30th for Fall and December 31st for Spring or when we reach capacity.

Adult Career and Special Student Services (ACSSS) is the admitting office for all University Special students. However, the department offering the capstone certificate program makes the final admission decision upon review of all applicant materials. Consult the GIS Program website (<https://geography.wisc.edu/gis>) for further detail and assistance.

ENROLLMENT

When admitted to the program applicants MUST send their official transcripts to the GIS Professional Programs: 550 North Park St Madison, WI 53706. Formal recommendation for admission will only occur *after* official transcripts have been received from the appropriate institution(s). Admitted students then receive a formal letter of admission to UW–Madison from Adult Career and Special Student Services along with general enrollment information.

The Department of Geography–GIS Capstone Certificate Program will send an email to admitted students with specific information pertaining to enrollment in courses and completion of the capstone program.

Additional detail is provided on the ACSSS enrollment page (<http://continuingstudies.wisc.edu/advising/enroll-special.htm>).

REQUIREMENTS

STUDENTS IN THIS PROGRAM ARE REQUIRED TO TAKE ALL OF THE FOLLOWING COURSES:

Code	Title	Credits
GEOG 370	Introduction to Cartography	4
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems	4
GEOG 378	Introduction to Geocomputing	4
Total Credits		12

Students are required to maintain a 3.0 GPA while enrolled in the program. Students who do not meet this requirements risk academic probation or dismissal from the program.

LEARNING OUTCOMES

1. Establish a foundation in the conceptual underpinnings of GIS technology in order to make informed use of current GIS applications in real world problem solving.
2. Acquire basic technological skills needed in applying GIS towards a wide variety of disciplines while gaining experience with common commercial and open-source GIS software.

GLOBAL HEALTH, CAPSTONE CERTIFICATE

The Capstone Certificate in Global Health Program is designed to advance the knowledge and capabilities of non-traditional learners with interests in global health. The certificate is available to capstone students with a **minimum of a bachelor's degree** who have interest in global health.

The certificate curriculum focuses on global health topics and health issues that transcend national boundaries. Through this nine-credit program, which includes academic course work and a global health field experience emphasizing two-way learning, students will be prepared to better address health challenges and disparities in a context of cultural diversity, both at home and abroad. Certificate candidates often work with partners and sites internationally, but may also apply a global lens to issues of health and wellbeing in Wisconsin and other parts of the United States. This global-to-local philosophy is important to the program. Through choices of elective/selective courses, students may focus their studies on health promotion, detection and treatment of disease, prevention and management of outbreaks, health policy, environmental health, or other current and important global health topics. The certificate emphasizes multidisciplinary learning and approaches to global health challenges.

To accommodate working professionals, core courses are offered in the evening.

Further detail, including current tuition and cost, is provided on the program's website. (<http://ghi.wisc.edu/education/professional-graduate-and-capstone>)

Educational Benchmarks for Certificate Program

- To demonstrate self-guided learning habits, recognizing that experiential learning opportunities exist in many forms and that learning is a life-long endeavor.
- To interpret quantitative and qualitative information from the sciences, social sciences, and the humanities to inform global health work.
- To integrate contextually-grounded information about a location's health, history, politics, culture, and environment into one's learning experiences.
- To practice directed self-assessment and reflection about one's experiences and chosen profession, including consideration of one's role as a member of an interdisciplinary team.
- To compare and contrast the practice of health-related activities in different settings, including the social production of health and well-being.

- To draw connections between global experiences and local needs.
- To work effectively as a member of a diverse team to achieve shared goals.
- To effectively communicate ideas about health to other professions, as well as to community leaders and members of the general public.
- To recognize valuable opportunities for high and low-middle income countries to learn from one another, and creatively evaluate assets in addressing problems.
- To model ethical models of community-based engagement, recognizing the mutual benefit to learners and to the host community.

HOW TO GET IN

ADMISSION

Applicants must possess a baccalaureate degree. Must have a minimum GPA of 3.000. Applications are accepted for fall semester with a deadline in late spring. Adult Career and Special Student Services (ACSSS) is the admitting office for all University Special students. However, the department offering the capstone certificate program makes the final admission decision upon review of all applicant materials.

APPLICATION STEPS

A complete application includes the following information:

1. An online application for admission (<http://continuingstudies.wisc.edu/advising/apply.htm>) as a University Special student, selecting UNCS Capstone Certificate and the program: **Global Health**. This application is received and processed by ACSSS with final decision held for approval from the specific capstone certificate coordinator.
2. An application and materials submitted directly to the program, which includes:
 - an online application (<http://ghi.wisc.edu/education/professional-graduate-and-capstone/how-to-apply-2>) directly to the program. The application includes a personal statement (maximum 350 words) which require a description of global health interest and previous experience, career goals, and how the skills obtained in the certificate program will improve the health status of underserved populations
 - a resume and official transcripts for current programs and prior degrees sent to: Betsy Teigland (teigland@wisc.edu) of the Global Health Institute located at 4270B Health Sciences Learning Center, 750 Highland Avenue, Madison, WI 53705-2221.

ENROLLMENT

Admitted students receive a formal letter of admission to UW–Madison from Adult Career and Special Student Services along with general enrollment information. Additional detail is provided on the ACSSS enrollment page (<http://continuingstudies.wisc.edu/advising/enroll-special.htm>).

The Global Health Institute will send an email to admitted students with specific information pertaining to enrollment in courses and completion of the capstone program.

REQUIREMENTS

Completion of a minimum of nine credits is required for the certificate, including six core course credit requirements, one of which is a credit-based global health field experience, and three elective credits. A description of the core requirements and electives is provided below.

Core course requirements

Code	Title	Credits
Core		
POP HLTH 718	Principles of Global Health Care Systems ¹	2
POP HLTH 904	Special Topics in Epidemiology (Global Health)	2
Students choose one of the following sequences:		
POP HLTH 640	Foundations in Global Health Practice ²	1
Independent Study 699 ³		1
<i>or</i>		
POP HLTH 644	Interdisciplinary Perspectives on Global Health and Disease ⁴	1
POP HLTH 645	Global Health Field Course	1
Students take electives to complete credit requirements. Consult with Global Health Institute program staff for updated list.		3

- 1 If possible, for optimal preparation, POP HLTH 718 should be taken prior to POP HLTH 640 and undertaking an independent field experience.
- 2 POP HLTH 640 is for students planning to do an independent global health field experience. It includes selecting a site, identifying a counterpart organization, developing a scope of work that is of mutual benefit to the student and the counterpart organization, and preparation for travel (health and safety).
- 3 Students should take Independent Study 699 in the department of advisor, with certificate director approval.
- 4 POP HLTH 644 is for students planning to participate in the Uganda, Thailand, or Ecuador faculty-led field courses and includes site-specific course work. *Eligibility for enrollment in POP HLTH 644 is contingent upon acceptance into one of the POP HLTH 645 field courses (see below).*

GLOBAL HEALTH FIELD EXPERIENCE

(1-6 credits in total; 1 credit counts toward certificate requirements)

A global health field experience is an academic credit-based learning experience in a setting relevant to global health. Field experiences are generally carried out during winter, spring, or summer breaks within the normal academic calendar; 1 week of on-site learning is equivalent to 1 credit. **(Please note that only one field experience credit counts toward Certificate requirements; additional field course credits earned cannot be applied to the elective requirements.)** Global health field experiences may also be carried out during the academic semester if they do not interfere with class attendance or completion of requirements for registered coursework.

Students may elect to do: a **faculty-led interdisciplinary group field course** administered by the UW-Madison Office of International Academic Programs (IAP); a **faculty-led health professions (primarily medical students) group field course**, requiring registration as an independent study and administered by GHI; or, they may choose to design an **independent field experience** at the site of their choice, with approval of an academic advisor and the Certificate Program Director. Field experiences usually take place in a country outside the United States, but may also be carried out in the U.S., working with international/underserved populations or addressing health issues that have global implications. Students may also work with international agencies, such as the United Nations, the World Health Organization, Centers for Disease Control and Prevention, or non-governmental organizations.

Field experience requirements:

For POP HLTH 645 Global Health Field Course **faculty-led group courses (Thailand, Uganda, Ecuador)**, students are required to take the related prerequisite campus-based course (POP HLTH 644 Interdisciplinary Perspectives on Global Health and Disease) and apply to participate in the field course through the campus-wide Office of International Academic Programs. (<https://www.studyabroad.wisc.edu>) Upon satisfactory completion of the field course, students will receive credit for POP HLTH 645 Global Health Field Course.

For **independent field experiences**, certificate students must prepare a proposal, to be reviewed and approved by his or her advisor and the Certificate Program Director, which describes project goals and objectives and outlines a tentative schedule of activities. Students must register for independent study credit in an appropriate school or department (a 699 course number in most health sciences and graduate departments).

All students completing independent field experiences are required by the School of Medicine and Public Health (SMPH) to execute an affiliation agreement between the field site organization and the SMPH/University of Wisconsin-Madison.

Upon completion of the field experience, all students must submit to the Certificate program office:

- A reflection paper (based on a journal kept throughout the field course/experience);
- An instructor evaluation of the student; and,
- A reference-cited, academic paper/project report.

Students completing an **independent field experience** will also need to submit a site evaluation.

LEARNING OUTCOMES

1. Exhibit the ability to describe and compare the health care systems in different areas of the world (such as: an understanding of pros and cons of systems, comparison to the US system, and trends in the evolution of health care systems over time).
2. Demonstrate knowledge of the epidemiology of common global health concerns, both communicable and non-communicable (such as: differences between high/middle/low income countries and programs to mitigate the impacts of these health issues such as the millennium and sustainable development goals).
3. Demonstrate the ability to integrate information from multiple perspectives into an assessment of a country/location's health status

(such as: history, politics, culture, societal structure, economics, environmental sciences, health care system(s), health databases, disease epidemiology, human rights, human subjects protections).

4. Model ethical behavior in global health engagement (such as: appreciation of the bidirectional nature of learning and mutual benefits between stakeholders and learners, cultural humility and flexibility, recognition of the importance of program sustainability over time, openness to new information/ideas).

5. Demonstrate professionalism, effective communication, leadership, problem-solving, and collaboration across multiple health education disciplines and stakeholders in addressing a global health issue (including an understanding of One Health approaches).

6. Exhibit the ability for growth in one's approach to global health work through self-assessment and structured reflection (such as: personal biases and perspectives, views on equity and disparities, personal limitations).

INFANT, EARLY CHILDHOOD AND FAMILY MENTAL HEALTH, CAPSTONE CERTIFICATE

The Capstone Certificate in Infant, Early Childhood, and Family Mental Health from UW-Madison is an interdisciplinary one-year academic program for practicing professionals who work with families in the prenatal and postpartum periods and with children ages birth through five years. Following a cohort model, enrolled participants will be provided with three days of class instruction each month as well as small group and individualized opportunities to reflect upon and integrate program content into their professional work experiences. These experiences will contribute to an increased knowledge base and skills in providing appropriate screening, assessment, diagnostic and therapeutic intervention services to support the mental health of infants, young children and their families.

This program is designed for:

- Licensed mental health and health care professionals* in clinical psychology, counseling psychology, school psychology, social work, marriage and family therapy, nursing, psychiatry, pediatrics or family medicine.
- Professionals from the fields of early childhood education, child development, family studies, occupational therapy, physical therapy, social work, or speech and language therapy. This includes those who provide direct services to young children and their families in Home Visiting, Birth to 3, Early Childhood Special Education, Early Head Start, Head Start, Childcare, and Child Protective Services programs who have a minimum of a bachelor's degree.

* Participation in this capstone certificate Program fulfills a prerequisite for Mental Health Professionals who are also interested in applying to the Wisconsin Child-Parent Psychotherapy (CPP) Learning Community. (http://infantfamilymentalhealth.psychiatry.wisc.edu/?page_id=44)

Students will have the opportunity to acquire the knowledge and competencies to pursue Endorsement as an Infant Family Specialist, Infant Mental Health Specialist, or Infant Mental Health Mentor through

the Wisconsin Alliance for Infant Mental Health (WI-AIMH) (<http://wiaimh.org>).

Courses for the capstone certificate program meet three days a month during the academic year. All monthly sessions will be held face-to-face in Madison. Click here for the schedule. (http://infantfamilymentalhealth.psychiatry.wisc.edu/?page_id=14)

Please visit the website (<http://infantfamilymentalhealth.psychiatry.wisc.edu>) for additional information, and contact Sarah Strong, LCSW, at ssstrong@wisc.edu with questions.

HOW TO GET IN

ADMISSION

All applicants must have a bachelor's degree from an accredited college or university or its equivalent and a minimum grade point average of 3.00 on a 4.00 scale. Adult Career and Special Student Services (ACSSS) is the admitting office for all University Special students. However, the department offering the capstone certificate program makes the final admission decision upon review of all applicant materials. All application materials must be received by the deadline posted on the program website.

APPLICATION STEPS

A complete application includes the following information:

1. An online application for admission (<http://continuingstudies.wisc.edu/advising/apply.htm>) as a University Special student, selecting UNCS Capstone Certificate and the program: Infant, Early Childhood and Family Mental Health. This application is received and processed by ACSSS with final decision held for approval from the specific capstone certificate coordinator.
2. The certificate program application posted on the certificate program's application page (http://infantfamilymentalhealth.psychiatry.wisc.edu/?page_id=40) and additional materials to include:
 - a completed application form
 - a current résumé or curriculum vitae
 - two letters of reference:
 - One letter should be from a supervisor who is acquainted with applicant's applied experiences
 - Both letters should speak to professional qualifications of the applicant
 - transcripts for all college/university programs (undergraduate and graduate)
 - for licensed professionals, copies of your current licenses and/or credentials

Send completed application and supporting materials for review by email or mail to:

Sarah Strong, LCSW, Associate Director, ssstrong@wisc.edu
Subject: UW Infant, Early Childhood and Family Mental Health Capstone Certificate Program Application

UW Infant, Early Childhood and Family Mental Health Capstone Certificate Program
 WisPIC/Department of Psychiatry
 6001 Research Park Boulevard

Madison, WI 53719

Fax: 608-263-0265—*Attention:* UW Infant, Early Childhood and Family Mental Health Capstone Certificate Program

ADMISSION NOTIFICATION

Those who complete the application process and meet the capstone certificate program requirements will be offered an interview with a program director. This will ensure that applicants have the appropriate background, prerequisites and that this capstone certificate program is a good fit for the applicant. This includes discussing applicant's access to work with young children ages birth to 5 years and their families in order to complete assignments and participate in case-based discussions.

ENROLLMENT

Admitted students receive a formal letter of admission to UW–Madison from Adult Career and Special Student Services along with general enrollment information. Additional detail is provided on the ACSSS enrollment page (<http://continuingstudies.wisc.edu/advising/enroll-special.htm>).

The Infant, Early Childhood and Family Mental Health Capstone Certificate Program will send an email to admitted students with specific information pertaining to enrollment in the courses and completion of the capstone program.

REQUIREMENTS

- Must have a minimum GPA of 3.000 to complete this capstone certificate.

Code	Title	Credits
Concepts, Assessment, Interventions, Practice, and Policy		
PSYCHIAT 712	Foundations in Infant, Early Childhood and Family Mental Health: Dev, Screening, Assessment and Diag	3
PSYCHIAT 715	Therapeutic Interventions, Practices and Policy in Infant, Early Childhood and Family Mental Health	3
Seminar on Reflective Practices and Mindfulness		
PSYCHIAT 713	Seminar in Reflective Practices and Mindfulness in Infant, Early Childhood & Family Mental Health I	2
PSYCHIAT 716	Seminar in Reflective Practices and Mindfulness in Infant, Early Childhood and Fam Mental Health II	2
Total Credits		10

Optional Courses for licensed mental health professionals

Code	Title	Credits
PSYCHIAT 714	Consultation in Infant, Early Childhood and Family Mental Health: Advanced Clinical Practice I	1
PSYCHIAT 717	Consultation in Infant, Early Childhood and Family Mental Health: Advanced Clinical Practice II	1

Course Sequencing

Fall	Credits Spring	Credits
PSYCHIAT 712	3 PSYCHIAT 715	3
PSYCHIAT 713	2 PSYCHIAT 716	2
PSYCHIAT 714 (Optional 1 credit)	PSYCHIAT 717 (Optional 1 credit)	
	5	5
Total Credits 10		

LEARNING OUTCOMES

1. Apply concepts of parent, infant, and early childhood mental health informed by developmental, neuroscience, and attachment research to support the social and emotional development and well-being of young children in the context of their family or caregiver relationships.
2. With a focus on parent-child early relationships, provide appropriate screening, assessment, diagnostic, and referral services for infants, young children, and families.
3. Provide therapeutic interventions and mental health consultation to families and professionals to reduce the impact of early-life trauma, loss, and disturbances before they become more serious disorders.
4. Use reflective practice and mindfulness strategies to support you and those you support in your work.

INTERNATIONAL POLITICS AND PRACTICE, CAPSTONE CERTIFICATE

Admissions to the International Politics and Practice Capstone Certificate have been suspended as of spring 2018. If you have any questions, please contact the department (info@polisci.wisc.edu).

The Department of Political Science designed the International Politics and Practice Capstone Certificate (https://ippcc.polisci.wisc.edu/?_ga=1.56129003.1391686154.1484336426) (IPPCC) to educate learners who lead and serve professionally in the international arena. The program appeals especially to experienced, mid-career professionals in the fields of education, business, government, military, and non-governmental organizations. The IPPCC curriculum is entirely online and completed during the summer terms only.

The IPPCC curriculum builds advanced mastery in the core competencies of international relations: foreign policy, international political economy, international law and organizations, and international security. In each course, students take part in discussions with UW–Madison's international relations faculty and participate in assignments designed to hone their analytical skills.

Key strengths of the capstone program are its moderate time demands and relatively short time to completion. The IPPCC is a five-course, 13-credit hour program, delivered entirely online each summer term. The sequence can be completed in two to three summers.

Further detail, including tuition and costs, is available at the IPPCC website (https://ippcc.polisci.wisc.edu/?_ga=1.56129003.1391686154.1484336426) or by contacting the program coordinator:

IPPCC Program Coordinator, Department of Political Science
University of Wisconsin–Madison
305 North Hall
1050 Bascom Mall Madison, WI 53706
esjung@wisc.edu

HOW TO GET IN

Admissions to the International Politics and Practice Capstone Certificate have been suspended as of spring 2018. If you have any questions, please contact the department (info@polisci.wisc.edu).

REQUIREMENTS

- Must have a minimum GPA of 3.000

Code	Title	Credits
International Politics and Practice Courses		
POLI SCI 700	Introduction to International Politics	1
POLI SCI 701	American Foreign Policy	3
POLI SCI 702	International Political Economy	3
POLI SCI 703	International Organizations and Law	3
POLI SCI 704	International Security	3
Total Credits		13

LEARNING OUTCOMES

1. Acquire foundational knowledge of domestic and international policies that affect both national economic policymaking and developments in the world economy.
2. Identify the role of international financial institutions, trade and development, financial crisis, and the relationship between globalization and inequality.
3. Recognize and distinguish patterns of global governance and their impact over time.
4. Develop an understanding of the relationship between national and international security.
5. Apply important connections to real-world experiences.

LEADERSHIP FOR POPULATION HEALTH IMPROVEMENT, CAPSTONE CERTIFICATE

Admissions to the Leadership for Population Health Improvement Capstone Certificate have been suspended as of spring 2018. If you have any questions, please contact the department (mph@mailplus.wisc.edu).

The Capstone Certificate in Leadership for Population Health Improvement from UW–Madison's Department of Population Health Sciences (<https://mph.wisc.edu/leadershipcertificate>) engages participants to build upon their professional training and experience by providing new knowledge, skills, and cutting-edge strategies for population health improvement. Upon completion of this certificate

program, participants will be prepared to identify opportunities for policy and system change and exercise stronger leadership skills, including planning, communication, collaboration, and negotiation.

The capstone certificate in leadership for population health improvement is designed for students who are interested in strengthening their capacity to contribute to population health improvement. The program is online and consists of four 3-credit courses. It is designed to be taken over a one-year period (summer-fall-spring), but can be extended to two years or more. The certificate is well-suited for participants with academic backgrounds in medicine, nursing, law, allied health, social work, pharmacy, business, public affairs and health systems engineering, specifically exposing leaders in other sectors to public health. Returning post-master's and post-doctoral students seeking professional development to complement their existing degrees may also consider this certificate. The certificate program is also an ideal introduction to population health during a "gap" year.

Further details, including tuition and costs, is provided on the certificate program website (https://mph.wisc.edu/leadershipcertificate?_ga=1.165698686.1391686154.1484336426).

HOW TO GET IN

Admissions to the Leadership for Population Health Improvement Capstone Certificate have been suspended as of spring 2018. If you have any questions, please contact the department (mph@mailplus.wisc.edu).

REQUIREMENTS

- Must have a minimum GPA of 2.000

Code	Title	Credits
Core Requirement		
POP HLTH 780	Public Health: Principles and Practice	3
POP HLTH 785	Health Systems, Management, and Policy	3
POP HLTH 879	Politics of Health Policy	2-3
POP HLTH 714	Leadership for Population Health Improvement	3
Total Credits		11-12

LEARNING OUTCOMES

1. Identify opportunities to make effective policy and system changes.
2. Show strong leadership, communication, collaboration, and negotiation skills.
3. Apply concepts to improve the health of human populations.

NURSE EDUCATOR, CAPSTONE CERTIFICATE

The Nurse Educator Capstone Certificate Program is for working, master's-prepared nurses who are currently teaching and would like to improve their skills, or for those who'd like to begin their teaching

careers. The University of Wisconsin–Madison School of Nursing is internationally recognized for its evidence-based nursing education. Rather than simply offering a track within the curriculum, it trains nurse educators with a highly respected certificate program that you can complete in 3 semesters.

Designed for working professionals, the 9-credit Nurse Educator Capstone Certificate Program is offered online. There are also periodic face-to-face sessions on the UW–Madison campus and a teaching practicum that students can arrange close to home. Some complete the certificate within a calendar year, while others take two years or more, depending on their needs.

Students who complete the certificate are eligible to sit for the National League for Nursing (NLN) Certified Nurse Educator Examination. NLN recognizes the nurse educator role as a specialty area of practice.

Further detail, including tuition and costs, is available on the program website. (<https://nursing.wisc.edu/certificates/nurse-educator>)

UW–Madison School of Nursing
Signe Skott Cooper Hall
701 Highland Avenue
Madison, WI 53705
Phone: 608-263-5200

HOW TO GET IN

ADMISSIONS

Applicant minimal requirements:

- Master's degree from an accredited nursing program or currently enrolled in a DNP or Ph.D. in nursing program
- RN license
- MS GPA of 3.0

Students are admitted to begin in the spring term only, with an application deadline of November 1 and admission notification in December. A holistic review of all application materials occurs. Regardless of experience level, ideal candidates possess a desire to expand their knowledge and understanding of the science of nursing education. The program seeks candidates who are committed to providing evidence-based nursing education and who understand the demands of the program. Adult Career and Special Student Services (ACSSS) is the admitting office for all University Special students. However, the School of Nursing makes the final admission decision upon review of all applicant materials.

APPLICATION STEPS

A complete application includes the following information:

1. An online application for admission (<http://continuingstudies.wisc.edu/advising/apply.htm>) as a University Special student, selecting UNCS Capstone Certificate and the program: Nurse Educator. This application is received and processed by ACSSS with final decision held for approval from the specific capstone certificate coordinator.
2. Submit required materials to the School of Nursing at the address below. To include in one envelope:

- Application Form (<https://nursing.wisc.edu/wp-content/uploads/2017/02/necp-application-form.pdf>) (download from the Nurse Educator certificate website)
- Nurse Educator Transcript Instruction Sheet (<https://nursing.wisc.edu/wp-content/uploads/2017/02/transcript-instructions-necp.pdf>) (download from the program page (<https://nursing.wisc.edu/certificates/nurse-educator>))
- Postgraduate Education Statement (1,000 words or less)
- Curriculum vitae or resume
- Photocopy of nursing license from your current state of residence

In addition, three letters of recommendation sent directly to the address below.

Submit All Materials to:

NECP Coordinator/Graduate Admissions
UW–Madison School of Nursing
Suite 1100 Cooper Hall
701 Highland Avenue
Madison WI 53705

Applicants will receive admissions decision in December.

ENROLLMENT

Admitted students receive a formal letter of admission to UW–Madison from Adult Career and Special Student Services along with general enrollment information.

The School of Nursing will send an email to admitted students with specific information pertaining to enrollment in courses for spring and completion of the capstone program.

2. Identify individual learning needs, provide resources, advise learners, create learning environments, and foster the development of learners in the cognitive, psychomotor, and affective domains.

3. Provide input on nursing program standards. Incorporate current research in assessment strategies, analyze available resources, use assessment instruments. Implement evaluation strategies that are appropriate to learning goals, analyze data, use data to enhance teaching/learning process. Advise learners regarding assessment criteria and provide timely, constructive feedback to learners.

4. Demonstrate knowledge of curriculum development, actively participate and lead curriculum and course design. Analyze and revise curriculum based on program evaluation, implement curricular revisions using change theories and strategies, collaborate with community and clinical partners. Design, implement and evaluate program assessment plans.

5. Promote one's socialization to the educator role, maintain professional memberships and activity in professional organizations. Demonstrate lifelong learning, participate in professional development, manage teaching, scholarship/service demands. Use feedback. Practice according to legal and ethical standards, mentor faculty colleagues, engage in self-reflection to improve teaching practices.

6. a) Function as change agent, enhance nursing visibility, participate in interdisciplinary efforts, develop leadership, advocate for nursing/education in politics. b) Exhibit inquiry, use evidence-based resources, research, share teaching expertise, demonstrate integrity. c) Identify nursing/education influencers; make trend-based decisions; integrate values of respect, collegiality, caring.

POST-GRADUATE PSYCHIATRIC NURSING, CAPSTONE CERTIFICATE

The UW–Madison School of Nursing offers this hybrid Post-Graduate Psychiatric Nursing Capstone Certificate. It provides the opportunity for nurses who already hold a Master's or doctoral degree in advanced practice nursing to gain skills and knowledge to be an expert mental health practitioner.

The certificate program requires a minimum of 18 credits. It begins in summer and takes a year and a half to complete. Students spend the first summer taking a three credit psychopharmacology course. During the fall/spring/fall semesters, students take one foundation course and one application course, which brings together classroom and online learning with clinical experiences. Students spend a full day on campus every other week for class meetings and spend two to three days per week in clinical placements. This blended approach provides access to courses even for those who live outside of Madison, with readings and discussions online.

Students work two full days per week in clinical practice. Faculty will actively seek to secure a clinical placement that provides a balance of skills and breadth of professional experience across the full lifespan of patients, while doing their best to accommodate the student's family and professional responsibilities. Students will be expected to travel for their clinical placement.

The Post-Graduate Psychiatric Nursing Capstone Certificate will be completed in just 18 months.

REQUIREMENTS

- Must have a minimum GPA of 2.000
- Certificate requires 9 credits

Code	Title	Credits
Required Courses		
NURSING 785	Foundations of Curriculum Development and Evaluation in Nursing Education	3
NURSING 786	Foundations of Teaching and Learning in Nursing	3
NURSING 787	Nursing Education Practicum	3
Total Credits		9

LEARNING OUTCOMES

1. Implement teaching strategies based on educational theory/student needs. Use technology to support teaching. Practice communication, reflective thinking, creating learning opportunities. Model enthusiasm, facilitate learning, respond to unexpected events, develop collegial relationships within clinical agencies, use evidence based practice and teaching, and foster safe learning environments.

Further detail, including current tuition and costs, is available at the program's website (<https://nursing.wisc.edu/certificates/psych-nursing>) or by contacting the School of Nursing.

UW–Madison School of Nursing
Signe Skott Cooper Hall
701 Highland Avenue
Madison, WI 53705
Phone: 608-263-5200

HOW TO GET IN

ELIGIBILITY REQUIREMENTS

- Bachelor's degree from an accredited nursing program
- Master's degree from an accredited nursing program
- RN license
- Certification as an advanced practice nurse or eligible to apply for certification as an advanced practice nurse
- Completion of prerequisite courses in advanced assessment across the lifespan, pathophysiology, and pharmacotherapeutics prior to starting the certificate

The School of Nursing conducts a holistic review of all application materials. Regardless of experience level, ideal candidates possess a desire to improve their ability to deliver complex care and expand their knowledge and understanding of the specialty. The program seeks candidates who are committed to providing care to underserved populations in need of services. Since the program requires a significant time expenditure for clinical training and coursework, candidates must understand these demands and indicate they are prepared to make time in their schedules accordingly.

Adult Career and Special Student Services (ACSSS) is the admitting office for all University Special students. However, the School of Nursing which offers the capstone certificate program makes the final admission decision upon review of all applicant materials.

ADMISSIONS TIMELINE

- Application opens: Early September
- Application deadline: February 1. All materials, including transcripts, must be received by the deadline.
- Applications reviewed: February–March
- Notification of admission decision: April
- Program start date: The program begins with the summer session.

REVIEW OF APPLICATIONS

We conduct a holistic review of all application materials. Regardless of experience level, ideal candidates possess a desire to improve their ability to deliver complex care and expand their knowledge and understanding of the specialty. We also look for candidates who are committed to providing care to underserved populations in need of services. Our program requires a significant time expenditure for clinical training and coursework, and we look for candidates who understand these demands and are prepared to make time in their schedules accordingly.

TO APPLY

Note: More guidance regarding application materials is available on the Frequently Asked Questions tab.

1. Apply for this Capstone Certificate as a University Special Student through the Division of Continuing Studies (<http://continuingstudies.wisc.edu/advising/applycapstone.htm>)
 - Reason for Applying = Capstone Certificate
 - Program = Post Graduate Psychiatric Nursing Program (UNCS830)
2. Seek three (3) letters of recommendation
3. Submit the following materials:
 - Application Checklist (download from this page)
 - Psychiatric Nursing Transcript Instruction Sheet (download from this page)
 - Official transcripts
 - Postgraduate Education Statement
 - Curriculum vitae or resume
 - Photocopy of nursing license from your current state of residence
 - Photocopy of advanced practice certification (if you are an APN)

SUBMIT ALL MATERIALS TO:

PMHC Coordinator/Graduate Admissions
UW–Madison School of Nursing
Suite 1100 Cooper Hall
701 Highland Avenue
Madison WI 53705

ENROLLMENT

Admitted students receive a formal letter of admission to UW–Madison from Adult Career and Special Student Services along with general enrollment information. Additional detail is provided on the ACSSS enrollment page (<http://continuingstudies.wisc.edu/advising/enroll-special.htm>).

The Graduate Academic Services Coordinator will send an email to admitted students with specific information pertaining to enrollment in and completion of the capstone program.

REQUIREMENTS

The program begins each summer term. All coursework is completed by the end of the fall term in the second year of the program.

N590 Pediatric Assessment for Mental Health APNs is a 1 credit course designed to supplement the previously taken assessment content for advanced practice nurses who are not already certified across the lifespan. Those students already certified across the lifespan do not need to complete this course.

Semester 1	Credits
NURSING 657	3
	3
Semester 2	Credits
NURSING 726	3
NURSING 728	2
	5
Semester 3	Credits
NURSING 727	3
NURSING 729	2

Semester 4

NURSING 590 (Pediatric
Assessment for Mental Health
APNs (optional))

Credits

1

Semester 5

NURSING 826

Credits

3

NURSING 828

2

5

Total Credits 19

LEARNING OUTCOMES

1. Conduct a comprehensive and systematic assessment of health and illness parameters in complex situations, incorporating diverse and culturally sensitive approaches.
2. Design, implement, and evaluate therapeutic interventions based on nursing science and other sciences.
3. Develop and sustain therapeutic relationships and partnerships with patients (individual, family, or group) and other professionals to facilitate optimal care and patient outcomes.
4. Demonstrate advanced levels of clinical judgment, systems thinking, and accountability in designing, delivering, and evaluating evidence-based care to improve patient outcomes.
5. Guide, mentor, and support other nurses to achieve excellence in nursing practice.
6. Educate and guide individuals and groups through complex health and situational transitions.
7. Use conceptual and analytical skills in evaluating the links among practice, organizational, population, fiscal, and policy issues.

ACCREDITATION

Accreditation

Commission on Collegiate Nursing Education (<http://www.aacnnursing.org/CCNE>)

Accreditation status: Next accreditation review: 2026-2027.

POWER CONVERSION AND CONTROL, CAPSTONE CERTIFICATE

The Power Conversion and Control Capstone Certificate addresses the learning goals of practicing engineers by providing further study with senior, highly respected faculty in the UW-Madison College of Engineering. It provides engineers with an opportunity for gaining more specialized expertise, including more technical knowledge of power electronics, drives, and controls. The certificate also provides a "stepping stone" for students wishing to apply for admission the university's online Master of Science: Electrical Engineering (Power Engineering) or Master of Science: Mechanical Engineering (Controls) degree programs.

The certificate was developed in response to needs identified by more than 80 corporate sponsors of the renowned Wisconsin Electric Machines and Power Electronics Consortium (WEMPEC) (<http://www.wempec.wisc.edu>).

The format of the Power Conversion and Controls Capstone Certificate is completely online to accommodate working professionals. The 9-credit capstone certificate was designed for completion in three consecutive terms of 3 credits (one course) per term. Fundamental coursework in electrical engineering is a prerequisite, as is coursework in electromechanical energy conversion (E C E 355 Electromechanical Energy Conversion is available online for admitted students).

Further details, including current tuition and costs, is provided on the program's website (https://epd.wisc.edu/online-degree/power-conversion-and-power-controls-certificate/?_ga=1.169457889.1391686154.1484336426/#/courseanddegreeplan).

HOW TO GET IN

APPLICANT REQUIREMENTS

Exceptions to standard admission requirements are considered by the admissions committee on an individual basis.

- **A B.S. degree** from a program accredited by the Accreditation Board for Engineering and Technology (ABET) or the equivalent.* A B.S. in electrical engineering is recommended. Students who do not have a B.S.E.E. need to have completed fundamental coursework in electrical engineering.
- **A minimum undergraduate grade-point average (GPA) of 3.00** on the equivalent of the last 60 semester hours (approximately two years of work) or a master's degree with a minimum cumulative GPA of 3.00. Applicants from an international institution must have a strong academic performance comparable to a 3.00 for an undergraduate or master's degree. All GPAs are based on a 4.00 scale.
- **Applicants whose native language is not English** must provide scores from the Test of English as a Foreign Language (TOEFL). The minimum acceptable score on the TOEFL is 580 on the written version, 243 on the computer version, or 92 on the Internet version.

*Equivalency to an ABET-accredited program: Applicants who do not have bachelor's degree from an ABET accredited program may also qualify for admission to the program. Such applicants must have a B.S. in science, technology, or a related field with sufficient coursework and professional experience to demonstrate proficiency in engineering practice. Registration as a professional engineer by examination, if achieved, should be documented to support your application.

ADMISSION

Applications are accepted for admission for all three terms (fall, spring, and summer), but admission deadlines must be met. The admissions process has been designed to conduct a holistic review of likely success in the program. Decisions are based on academic and professional background. **See the program's website for current dates and information regarding selection of students.** (https://epd.wisc.edu/online-degree/power-conversion-and-power-controls-certificate/?_ga=1.90871258.1391686154.1484336426/#/admission)

Note: Adult Career and Special Student Services (ACSSS) is the admitting office for all University Special students. However, the department

offering the Capstone Certificate program makes the final admission decision upon review of all applicant materials.

APPLICATION STEPS

1. Email the chair of the admissions committee stating your intent to apply to the Power Conversion and Control capstone certificate program. Indicate if you intend to apply to a degree program upon successful completion of the capstone certificate. Attach a current resume or CV to the Intent to Apply email. Current chair: daryl.harrison@wisc.edu (daryl.haessig@wisc.edu)

Your resume/CV should include at least:

- Educational history (including GPA, awards and honors received).
- Professional work experience (including specific details on your engineering experience, technical training, and responsibilities).
- Listing of professional association memberships, advanced training (such as a PE license) and other noteworthy, engineering-related details.

2. Submit an online application for admission (<http://continuingstudies.wisc.edu/advising/apply.htm>) as a University Special student, selecting UNCS Capstone Certificate and the program: Power Conversion and Control. This application is received and processed by ACSSS with final decision held for approval from the specific capstone certificate coordinator.

3. Following steps outlined by the program (https://epd.wisc.edu/online-degree/power-conversion-and-power-controls-certificate/?_ga=1.90871258.1391686154.1484336426/#/apply), request transcripts of all previous college work and two letters of recommendations are sent to the department as follows:

Engineering Professional Development
Attention: Daryl Harrison
432 North Lake Street, Room 701
Madison, WI 53706

For pdf's, use the following email address: daryl.harrison@wisc.edu (daryl.haessig@wisc.edu)

For the two (2) letters of recommendation, use the Download Recommendation Form. The recommenders should send the statement directly to the admissions committee chair. At least one letter should be from your current or previous direct supervisor. Academic references are acceptable for applicants who have been out of school less than five years.

4. Complete a phone interview.

The admissions committee chair will schedule a phone interview with candidates after all application materials are received. Once completed, the application will be presented to the Admissions Committee for evaluation at the next scheduled meeting.

5. Notification of admissions decision.

The committee will make one of the following decisions:

- Recommend admission.
- Request additional information before evaluating further.

- Decline further consideration of your application.

ENROLLMENT

After a decision has been made, the admissions committee chair contacts applicants by email to inform of the decision.

Admitted students receive a formal letter of admission to UW–Madison from Adult Career and Special Student Services along with general enrollment information. Additional detail is provided on the ACSSS enrollment page (<http://continuingstudies.wisc.edu/advising/enroll-special.htm>).

REQUIREMENTS

- The curriculum is 9 credits (see course list below). Students must complete all courses with a minimum GPA of 2.00 in each class in order to continue to the next class.
- Students without prior coursework in energy conversion will be required to take E C E 355 Electromechanical Energy Conversion. The Admissions Committee will make this decision for each admitted student at the time of admission.

Code	Title	Credits
Prerequisite Course		
E C E 355	Electromechanical Energy Conversion	3

Code	Title	Credits
Required Courses		
E C E 411	Introduction to Electric Drive Systems	3
E C E 412	Power Electronic Circuits	3
M E 446	Automatic Controls	3
Total Credits		9

LEARNING OUTCOMES

1. Analyze how torque and speed are controlled in the major classes of electric machines.
2. Evaluate how power electronics is used to perform electrical power conversion from one form into another.
3. Complete preliminary designs of automatic controlled systems using power electronics circuits.

USER EXPERIENCE DESIGN, CAPSTONE CERTIFICATE

User experience design is the process of making information systems more people-friendly. The University of Wisconsin–Madison User Experience Design Capstone Certificate, or “Mad UX,” teaches you what you need to know to develop as a UX professional. Mad UX combines expertise from two highly ranked UW–Madison academic departments: the Department of Computer Sciences and its HCI Lab and the UW–Madison Information School.

The Mad UX certificate will accommodate both existing computing professionals whose expanding job responsibilities require a deeper understanding of user experience design, and people new to the technology workforce seeking introductory skills in user experience design.

The courses are completely online and taught by experienced and engaged instructors from UW–Madison's computer sciences and Information School programs, combining knowledge and networks from both the computing and information fields. Students are part of a cohort of learners who complete project-based activities and learn to work effectively as part of a virtual team. Students must successfully complete each course in succession to earn your certificate. The certificate takes one calendar year (fall, spring, summer) to complete the 10 credits.

Further detail, including tuition and costs, is available on the program's website (<http://hci.wisc.edu/madux>).

HOW TO GET IN

ADMISSIONS

All applicants must:

- Have completed a bachelor's degree (any subject area is relevant)
- Have a minimum undergraduate grade point average (GPA) of 3.00 on a 4.00 scale in the last 60 credits of that degree; Graduate Record Examination (GRE) scores are not required
- Not be enrolled in another University of Wisconsin undergraduate or graduate program while completing our UX certificate program
- Non-native English speakers submit a Test of English as a Foreign Language (TOEFL) score of 92 (Internet version) or better
- No prior computer programming experience required, however general experience with web, mobile, and other interactive technologies is useful and prior experience with web content management systems or HTML/CSS is helpful.

Applications are accepted for a cohort starting each fall term. The certificate accepts applications on a rolling admissions process beginning each January until the next fall's cohort is full. This means that applications are considered as the completed application and supporting documents are received. Applicants can be admitted into the program until 2 weeks prior to the start of the fall term as long as all required application documents have been submitted prior to the term start date and space is still available in the cohort. To ensure full consideration applicants are encouraged to apply by May 1.

The contact for capstone certificate questions via email is the certificate coordinator, Jenny Greiber, jgreiber@wisc.edu.

APPLICATION STEPS

A complete application includes the following:

1. An online application for admission (<http://continuingstudies.wisc.edu/advising/apply.htm>) as a University Special student, selecting UNCS Capstone Certificate and the program: User Experience Design. This application is received and processed by ACSSS with the final admissions decision held for approval from the specific capstone certificate coordinator and admissions committee.

- In the application's academic plan statement field, provide your statement of interest, answering the questions: Why are you interested in the UW–Madison UX program? What do you aim to get out of the program?

2. Have your official transcripts of previous college work sent to:

UX Certificate Program
4217 HC White Hall
600 North Park Street
Madison, WI 53706
c/o Certificate Coordinator Jenny Greiber

Further detail is provided at the UX Certificate Program Admissions page (<http://hci.wisc.edu/madux/admissions>).

ENROLLMENT

Admitted students receive a formal letter of admission to UW–Madison from Adult Career and Special Student Services along with general enrollment information. Additional detail is provided on the ACSSS enrollment page (<http://continuingstudies.wisc.edu/advising/enroll-special.htm>).

The UX certificate program coordinator will send an email to admitted students with specific information pertaining to enrollment in and completion of the capstone program.

REQUIREMENTS

Code	Title	Credits
User Experience Design Core		
L I S/COMP SCI 611	User Experience Design 1	3
L I S/COMP SCI 612	User Experience Design 2	3
L I S/COMP SCI 613	User Experience Design 3	3
User Experience Design Capstone		
L I S/COMP SCI 614	User Experience Design Capstone	1
Total Credits		10

LEARNING OUTCOMES

1. Students have knowledge of, and ability to apply, data collection and analysis methodologies for user experience research.
2. Students have knowledge of, and ability to apply, design principles and user behavior theories to digital environments.
3. Students can create, critique and revise design prototypes based on testing data and feedback.
4. Students can effectively plan, manage and communicate a user experience design project.

CYTOTECHNOLOGY

The Cytotechnology Program was created by the Wisconsin State Laboratory of Hygiene in 1957 and is currently part of the Laboratory of Genetics within the College of Agricultural and Life Sciences (CALS) at the University of Wisconsin-Madison. Cytotechnology is the study of cells obtained from body tissues. Through intensive microscopic examination,

cytotechnologists discern minute cellular alterations to differentiate malignant from normal cells.

Participants are UW–Madison students in University Special student status. Students who successfully complete the 50-week Cytotechnology Program receive a certificate in cytotechnology from UW–Madison. They may also become an CT(ASCP) by passing the ASCP Board of Certification Examination.

The program is divided into three terms. During the first two terms, the 38-hour weeks consist of lectures, discussions, quizzes, and approximately 25 hours of microscopy. Students complete a series of comprehensive examinations aimed at testing their knowledge of cytopathology at the end of the second term. The third term is devoted to supervised microscopy of clinical specimens. Students also rotate through various clinical settings associated with the practice of clinical cytology, which provides practical experience in the areas of advanced laboratory procedures, quality assurance, and cytogenetics.

HOW TO GET IN

ADMISSION ELIGIBILITY CRITERIA

3+1 BACHELOR'S PROGRAM

Prospective students may be accepted into the program after completing three years of undergraduate coursework with an affiliated college or university. This coursework must include a minimum of:

- 20 semester hours (30 quarter hours) of biological sciences
- 8 semester hours (12 quarter hours) in chemistry
- 3 semester hours of math (4 quarter hours)
- Favorable consideration will be given to applicants with an above average academic record and recommendation.

4+1 CERTIFICATE PROGRAM

Students who have completed a baccalaureate degree may be accepted into the Cytotechnology Program. Post-baccalaureate students must have completed a minimum of:

- 20 semester hours (30 quarter hours) of biological sciences
- 8 semester hours (12 quarter hours) in chemistry
- 3 semester hours of math (4 quarter hours); and have a
- Minimum grade point (GPA) of 2.5 on a 4.0 scale

Baccalaureate-degreed students will be enrolled as Special students at UW–Madison to receive a certificate in cytotechnology at the end of the program.

APPLICATION PROCESS

Applications are accepted throughout the year but must be received no later than February 1 for the cohort that starts in August. Applications must include ALL official college transcripts (not just your most recently attended school) and three letters of recommendation. Interviews are conducted in February and March, and decisions are made in early April for an August start. If a class does not fill, interviews will continue until July.

You may apply online (<https://cytotechprogram.wisc.edu/application-procedure/application-for-enrollment>) for the program. Your personal essay must be attached to your application and must be either a PDF (.pdf) or Microsoft Word (.doc or .docx) file. Any other file extension will not be opened. Applications are also available upon request by

contacting the program director via phone or email. If admitted to the program you will also be required to submit a UW–Madison special student application to gain student status and become eligible to enroll in your courses.

REQUIREMENTS

Code	Title	Credits
Fall		
GENETICS 470	Basic Cytology and Laboratory Procedures	1
GENETICS 570	The Female Reproductive System	8
GENETICS 571	Clinical Practice I	1
GENETICS 573	The Genitourinary System	2
GENETICS 572	The Respiratory System	3
Spring		
GENETICS 569	The Breast	1
GENETICS 574	The Gastrointestinal System	3
GENETICS 673	Seminar in Clinical Cytology	1
GENETICS 576	Effusions	2
GENETICS 568	The Central Nervous System	1
GENETICS 575	Miscellaneous Systems	3
GENETICS 577	Applied Cytology I	1
GENETICS 471	Advanced Laboratory Procedures	1
GENETICS 670	Seminar in Clinical Cytogenetics	1
GENETICS 672	Seminar in Laboratory Operations and Quality Control	1
Summer		
GENETICS 578	Applied Cytology II	1
GENETICS 671	Advanced Clinical Practice	8
Total Credits		39

ACCREDITATION

Accreditation

Commission on Accreditation of Allied Health Education Programs

Accreditation status: Continuing. Next accreditation review: 2018.

Certification/Licensure

ASCP Board of Certification Examination (<https://www.ascp.org/content/board-of-certification>)

GUEST AUDITOR

If you do not have interest in or need to earn college credit, but want to attend a university class on campus, guest auditing may be for you. The opportunity is only for lecture courses with the instructor's approval and if space is available. Established by Wisconsin law and Board of Regents policy, the tuition is reduced or waived depending on the type of guest auditor. There are two types:

1. Senior Guest Auditors are Wisconsin residents age 60 and older. Tuition is waived.

2. A Guest Auditor is any student who is not currently enrolled in a degree program or does not plan to pursue a degree. Tuition for Guest auditors (http://registrar.wisc.edu/tuition_&_fees.htm) is set at approximately 30% of the University Special/Undergraduate student tuition rate (and approximately 50% for non-Wisconsin residents).
 - Disabled persons receiving SSI and SSDI may qualify for a tuition waiver under UW Board of Regents policy. See How to Get In (p. 33).

COURSE SELECTION

Auditing is defined as sitting in on a lecture course and not actively participating. Auditors may not recite, perform, or take examinations, although regular attendance is expected. Courses that by their nature require active participation or performance are **not** available on a Guest Auditor basis.

Classes typically **not** available to audit are physical education activity classes, conversational languages, studio and performing arts, writing, math, computer, and lab courses, Independent Study, Directed Study, and other courses ending from -90 to -99, seminar, research, and colloquium courses, and online courses.

GRADING FOR AUDITORS

Audited courses are listed on a student's official UW–Madison transcript with "AU" in place of number of credits and either "S" (satisfactory) or "NR" (no report) listed for the "grade." Prior to enrolling, Guest auditors discuss with the instructor the standard for earning an "S" in the particular course.

HOW TO GET IN

SENIOR GUEST AUDITOR ADMISSION

If you are a Wisconsin resident, 60 years or older, and wish to qualify for tuition-free status, apply using the University Special student online application (<https://acsss.wisc.edu/apply>) at least three weeks before the start of the term. UGSR is the designation on the admissions application and course roster.

GUEST AUDITOR ADMISSION

At least three weeks before the start of the term, apply using the University Special student online application (<https://acsss.wisc.edu/apply>). UGST is the designation on the admissions application and course roster.

Disabled persons receiving SSI and SSDI: Wisconsin residents receiving SSI or SSDI and intending to enroll as a Guest Auditor may qualify for a tuition waiver under UW Board of Regents policy. Visit <https://acsss.wisc.edu/guest-auditors/> for detailed instructions.

HIGH SCHOOL STUDENTS

Qualified high school juniors or seniors may apply for admission as University Special students to become eligible to enroll in a course at UW–Madison. A minimum high school GPA of 3.000 overall and in the most recent semester is required. Additional requirements include recommendations from high school personnel and academic qualification for the course(s) of interest. Students planning to participate in Wisconsin's Early College Credit Program must meet the program's eligibility rules, deadlines, and procedural requirements.

Enrollment in a course is contingent on satisfaction of course prerequisites and the availability of space after the needs of all degree-seeking students is fully satisfied. This is determined at the start of the semester.

Interested students should review the details regarding the options for high school students are provided on the ACSSS website (<https://acsss.wisc.edu/high-school>) and meet with their high school guidance counselor to determine if taking a university course is a sound academic choice.

HOW TO GET IN

ADMISSION

Qualified high school juniors and seniors who intend to pursue admission as University Special students must review and complete the required application steps on the ACSSS website (<https://acsss.wisc.edu/high-school>). Before applying, interested students should review the details regarding the options for high school students are provided on the ACSSS website (<https://acsss.wisc.edu/high-school>) and meet with their high school guidance counselor to determine if taking a university course is a sound academic choice.

OTHER

Individuals who wish to enroll in a credit course, are not currently in a degree program at UW–Madison, and do not fit the other types of University Special students may qualify for one of the classifications below.

PRESELECTED BY A DEPARTMENT OR PROGRAM

Students in this classification have been selected to participate by a department in a specific course, seminar, institute, or workshop for credit. Admission requirements are established by the program or department, which makes the final admissions decision. These students are assessed tuition at the undergraduate student rate (Wisconsin resident or nonresident) unless a course has a nonstandard tuition rate. Enrollment is for one term only for the specific course or program.

Students who wish to be considered for enrollment in a subsequent term must contact the Adult Career and Special Student Services office to request a change of classification based on their academic plans or goals.

OTHERS/ONE TERM ONLY

University Special students typically require one of the following: (1) hold a baccalaureate degree, (2) are currently a degree student in good standing at another college, (3) are selected for a course, program, institute, or Capstone Certificate, or (4) are a high school student in the early college credit program. There may be unique needs or circumstances that allow a student to qualify for admission without satisfying any of these requirements. For consideration, a conversation with an advisor who approves admission is necessary. **Note:** Individuals who have been denied admission or missed the deadline to apply by undergraduate admissions are not eligible for admission as a University Special student.

FULL-TIME ESL PROGRAM

The Intensive English Program (IEP) (<https://esl.wisc.edu/intensive-english>) at UW-Madison provides quality academic instruction to adults who wish to improve their proficiency in English. IEP offers full-time,

15-week programs in the Fall and Spring semesters and an 8-week Summer program. The classes range from lower-intermediate (A2) to advanced level (C1). Beginning-level instruction (A1) is not offered. IEP participants are admitted as UW–Madison students in University Special student status.

HOW TO GET IN

PRESELECTED BY A DEPARTMENT OR PROGRAM

Admission requirements are established by the department and program, which screens prospective students and provides information regarding the steps to complete an application for admission. The steps will include completion of a University Special student application (<https://acsss.wisc.edu/apply>), in addition to any specific program or department requirements. UNPS is the designation on the admissions application and course roster.

Once admitted to the university, enrollment instructions which are customized for the department or program with specific course numbers are provided to the student.

OTHERS/ONE TERM ONLY

Prospective students who have consulted with an advisor and received support for admission in this classification, apply using the University Special students application (<https://acsss.wisc.edu/apply>)—indicating their academic goal and name of the advisor. Applying at least one month before the start of the term is recommended as it takes one to two weeks to review and process an application. UNOS is the designation on the admissions application and course roster.

FULL-TIME ESL PROGRAM

IEP considers applicants for admission each term: fall, spring, or summer. View the ESL website (<https://esl.wisc.edu/intensive-english>) for admission requirements and application information.

POST-BACCALAUREATE COURSE

Individuals who wish to enroll in a credit course, have at least a baccalaureate degree, and are not currently in a degree program at UW–Madison are eligible for admission as a University Special student in one of the two classifications listed below. These students are assessed tuition at the undergraduate student rate (Wisconsin resident or nonresident) unless a course has a nonstandard tuition rate. *Note:* Grades earned as a University Special student will not change a previous cumulative undergraduate or graduate degree GPA earned at UW–Madison, including if a course is repeated.

PROFESSIONAL OR PERSONAL ENRICHMENT (UNDS) – THIS INCLUDES:

- teachers, social workers, and others seeking enrollment for professional development
- graduate students from other US colleges and universities
- individuals seeking personal enrichment
- individuals wishing to explore an interest for further study
- students graduating and who wish to enroll in a course in the next term

PREPARATION FOR ADMISSION TO GRADUATE OR PROFESSIONAL SCHOOL (UNRS)—THIS INCLUDES:

- individuals needing to complete required courses prior to applying to a graduate or professional school
- individuals who have been advised by the graduate program to being their studies as a University Special student. (Consult with the graduate coordinator regarding the policy on whether the credits earned may apply eventually toward a graduate degree.)

HOW TO GET IN

ADMISSION

There is no application fee. Apply by using the University Special student Application (<https://acsss.wisc.edu/apply>) at least one month before the start of the term as it can take one to two weeks to review and process an application. An official transcript is typically not needed.

University Special students admitted in the UNDS and UNRS classifications are eligible to enroll in any course for which they are qualified or receive instructor permission, if there is space available. This includes both undergraduate and graduate level courses. Undergraduate courses at UW–Madison are numbered 100 to 699. Graduate level courses number 300 to 999.

SHORT COURSE

The Farm & Industry Short Course (FISC) (<http://fisc.cals.wisc.edu>) is a 16-week, hands-on education for people who want to develop or expand the skills needed to work in production agriculture. The University of Wisconsin–Madison has offered the program for over a century and provided opportunities for generations of farmers to expand their career options. The credits earned are eligible for transfer to many four-year universities.

Classes begin in late fall and end in early spring—timed to coordinate with the nongrowing season in the Midwest. Courses are offered in the areas of soils, crops, dairy, meat animals, agricultural engineering, farm business planning, agribusiness, human relations, and communications. Students in their first year will earn a Certificate in Foundations of Farm Management (p. 38). (<https://fisc.cals.wisc.edu/prospective-students/courses-and-certificates>) This certificate serves as a prerequisite to returning for a second year to earn a certificate in one of the more specialized areas (<https://fisc.cals.wisc.edu/current-students/courses-and-certificates>) listed below.

Participants are UW–Madison students in University Special student status. They live on campus, enjoy all the benefits of being a UW–Madison student, and are encouraged to participate in campus groups, committees, and clubs—as well as athletic, social, and alumni events. A scholarship program is available. Current tuition, housing, and other fees are listed on the FISC webpage. (<https://fisc.cals.wisc.edu/prospective-students/tuition-housing-other-fees>)

- Dairy Farm Management, Certificate (p. 35)
- Diversified Agricultural Operations, Certificate (p. 36)
- Farm and Equipment Operations, Certificate (p. 37)
- Foundations of Farm Management, Certificate (p. 38)
- Management of Crops and Soils, Certificate (p. 40)

- Meat Animal Farm Management, Certificate (p. 41)

HOW TO GET IN

ADMISSION ELIGIBILITY CRITERIA

Admission decisions are made using a holistic approach with consideration of, but not limited to: an applicant's cumulative GPA, class rank, activities, leadership roles, academic progress as reflected on an official transcript, etc. Below are eligibility criteria and considerations:

Domestic Applicants:

- High School Diploma or GED required
- Involvement in agriculture-related activities
- Academic record
- Personal and professional goals
- Rank in the upper 80% of graduating class

There is no foreign language requirement.

Returning adult students will receive special consideration.

International Applicants**:

(The following requirements are set forth by the guidelines for the J-1 VISA as well as by the FISC office and UW campus).

- Degree or professional certificate from a foreign, post-secondary academic institution AND one year minimum of prior, ag-related work experience acquired outside of the United States, OR five years minimum of prior, ag-related work experience acquired outside of the United States
- Minimum of a 2.0 cumulative GPA on a 4.0 scale
- Proficiency in the English language, as demonstrated by a TOEFL score of 550 or higher, or IELTS score of 7 or higher, OR proof that your most recent four years of education were taught primarily in the English language
- Completed Certification of Financial Support form.

APPLICATION PROCESS

Applications are available October 1 and close August 1 for domestic students for the upcoming academic year, and close June 1 for International applications. Applicants must mail an official high school or post-secondary transcript, depending upon the most recent school of attendance. (If a post-secondary transcript has fewer than 2 years of classwork reported, an applicant also must submit a high school transcript in addition to the post-secondary one.) International applicants must submit additional documents in order for their application to be considered complete as listed on the FISC International Students (<https://fisc.cals.wisc.edu/prospective-students/international-students>) application page.

The online FISC application is hosted by the Adult Career and Special Student Services (ACSSS), Division of Continuing Studies, which admits all University Special students (which includes FISC). Applicants will submit an application following the process below. A committee in FISC reviews the application and makes the final admissions decisions.

3-step process:

Step 1: Create an account and apply via the University Special student application (<https://fisc.cals.wisc.edu/prospective-students/apply-now>). Select "Farm and Industry Short Course" as the student classification.

Step 2: Mail all transcripts and additional application materials to:

Farm & Industry Short Course
University of Wisconsin – Madison
116 Agricultural Hall
1450 Linden Drive
Madison, WI 53706

Step 3: Optional but recommended: Apply for FISC Scholarships (<https://fisc.cals.wisc.edu/prospective-students/funding-your-education>) before April 1 to receive priority consideration.

DAIRY FARM MANAGEMENT, CERTIFICATE

This specialty is designed for students wishing to pursue a dairy farming career or work within a dairy production operation. Students who complete this certificate will be able to apply scientific and management principles to running a dairy operation, including developing new solutions to fit demands and challenges, working creatively to make effective decisions and develop plans for future advances, and communicating effective management of dairy farm operations. They will also gain specialized knowledge and management plans for reproduction, nutrition, herd health, evaluation, and genetics of a dairy operation.

HOW TO GET IN

ADMISSION ELIGIBILITY CRITERIA

Admission decisions are made using a holistic approach with consideration of, but not limited to: an applicant's cumulative GPA, class rank, activities, leadership roles, academic progress as reflected on an official transcript, etc. Below are eligibility criteria and considerations:

Domestic Applicants:

- High School Diploma or GED required
- Involvement in agriculture-related activities
- Academic record
- Personal and professional goals
- Rank in the upper 80% of graduating class

There is no foreign language requirement.

Returning adult students will receive special consideration.

International Applicants**:

(The following requirements are set forth by the guidelines for the J-1 VISA as well as by the FISC office and UW campus).

- Degree or professional certificate from a foreign, post-secondary academic institution AND one year minimum of prior, ag-related work experience acquired outside of the United States, OR five years minimum of prior, ag-related work experience acquired outside of the United States
- Minimum of a 2.0 cumulative GPA on a 4.0 scale
- Proficiency in the English language, as demonstrated by a TOEFL score of 550 or higher, or IELTS score of 7 or higher, OR proof that your most recent four years of education were taught primarily in the English language
- Completed Certification of Financial Support form.

APPLICATION PROCESS

Applications are available October 1 and close August 1 for domestic students for the upcoming academic year, and close June 1 for International applications. Applicants must mail an official high school or post-secondary transcript, depending upon the most recent school of attendance. (If a post-secondary transcript has fewer than 2 years of classwork reported, an applicant also must submit a high school transcript in addition to the post-secondary one.) International applicants must submit additional documents in order for their application to be considered complete as listed on the FISC International Students (<https://fisc.cals.wisc.edu/prospective-students/international-students>) application page.

The online FISC application is hosted by the Adult Career and Special Student Services (ACSSS), Division of Continuing Studies, which admits all University Special students (which includes FISC). Applicants will submit an application following the process below. A committee in FISC reviews the application and makes the final admissions decisions.

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1450 Linden Drive
Madison, WI 53706

Step 3: Optional but recommended: Apply for FISC Scholarships (<https://fisc.cals.wisc.edu/prospective-students/funding-your-education>) before April 1 to receive priority consideration.

REQUIREMENTS

- Minimum of 12 credits and successful completion of all course requirements.
- Requires a GPA of 2.0 on all coursework.
- At least 50% of the credits must be taken in residence, graded, and for credit.

Code	Title	Credits
FISC 134	Reproduction of Farm Animals	2
FISC 105	Dairy Cattle Selection and Evaluation	2
FISC 63	Dairy Herd Management	2
FISC 114	Ruminant Nutrition	2
FISC 133	Soil and Crop Nutrient Management	2
FISC 61	Dairy Herd Health	1
FISC 121	Agricultural Commodities Marketing	2
Total Credits		13

LEARNING OUTCOMES

1. effective and professional oral and written communication skills.

2. the skills to apply scientific and management principles to running an agricultural operation, including developing new solutions to fit demands and challenges of both personnel and everyday processes.

3. the ability to think critically and innovatively, working creatively to make effective decisions and develop plans for future operational advances.

4. a global perspective, recognizing the importance and intersecting roles of farmers, food systems and urban and rural communities.

5. specialized knowledge in safety on agricultural operations and the capability to implement the safety guidelines in the operation.

ADVISING AND CAREERS

Students are assigned an academic advisor at the 1st Year Orientation. Advisors and students will meet throughout the year to discuss program requirements and future career goals, as well as many other items.

Students are responsible for knowing academic requirements for graduation and should consult with their advisor regularly. Students are encouraged to discuss with their advisor any possible changes of academic plans that may arise during the academic year.

DIVERSIFIED AGRICULTURAL OPERATIONS, CERTIFICATE

This specialty is designed for students preparing for diversified farm management. Courses cover dairy, crops and soils, farm machinery, and meat animals to give an overview of a variety of content areas. Students who complete this certificate will be able to effectively communicate management options related to soil issues and general crop production, dairy and meat operations and the farm equipment industry, apply scientifically-based management principles related to successful dairy, meat, and crop production operations, and understand specialized knowledge of safety concerns on agricultural operations.

HOW TO GET IN

ADMISSION ELIGIBILITY CRITERIA

Admission decisions are made using a holistic approach with consideration of, but not limited to: an applicant's cumulative GPA, class rank, activities, leadership roles, academic progress as reflected on an official transcript, etc. Below are eligibility criteria and considerations:

Domestic Applicants:

- High School Diploma or GED required
- Involvement in agriculture-related activities
- Academic record
- Personal and professional goals
- Rank in the upper 80% of graduating class

There is no foreign language requirement.

Returning adult students will receive special consideration.

International Applicants**:

(The following requirements are set forth by the guidelines for the J-1 VISA as well as by the FISC office and UW campus).

- Degree or professional certificate from a foreign, post-secondary academic institution AND one year minimum of prior, ag-related work experience acquired outside of the United States, OR five years minimum of prior, ag-related work experience acquired outside of the United States
- Minimum of a 2.0 cumulative GPA on a 4.0 scale
- Proficiency in the English language, as demonstrated by a TOEFL score of 550 or higher, or IELTS score of 7 or higher, OR proof that your most recent four years of education were taught primarily in the English language
- Completed Certification of Financial Support form.

APPLICATION PROCESS

Applications are available October 1 and close August 1 for domestic students for the upcoming academic year, and close June 1 for International applications. Applicants must mail an official high school or post-secondary transcript, depending upon the most recent school of attendance. (If a post-secondary transcript has fewer than 2 years of classwork reported, an applicant also must submit a high school transcript in addition to the post-secondary one.) International applicants must submit additional documents in order for their application to be considered complete as listed on the FISC International Students (<https://fisc.cals.wisc.edu/prospective-students/international-students>) application page.

The online FISC application is hosted by the Adult Career and Special Student Services (ACSSS), Division of Continuing Studies, which admits all University Special students (which includes FISC). Applicants will submit an application following the process below. A committee in FISC reviews the application and makes the final admissions decisions.

3-step process:

Step 1: Create an account and apply via the University Special student application (<https://fisc.cals.wisc.edu/prospective-students/apply-now>). Select "Farm and Industry Short Course" as the student classification.

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University of Wisconsin – Madison
116 Agricultural Hall
1450 Linden Drive
Madison, WI 53706

Step 3: Optional but recommended: Apply for FISC Scholarships (<https://fisc.cals.wisc.edu/prospective-students/funding-your-education>) before April 1 to receive priority consideration.

REQUIREMENTS

- Minimum of 12 credits and successful completion of all course requirements.
- Requires a GPA of 2.0 on all coursework.
- At least 50% of the credits must be taken in residence, graded, and for credit.

Code	Title	Credits
FISC 140	Farm Machinery	2
FISC 134	Reproduction of Farm Animals	2
FISC 120	Meat Animal Evaluation & Marketing	2

FISC 142	Identification and Management of Agronomic Pests	3
Select at least three credits from the following:		3
FISC 114	Ruminant Nutrition	
FISC 101	Meat Animal Production I	
FISC 133	Soil and Crop Nutrient Management	
FISC 143	Farm Power	
Total Credits		12

LEARNING OUTCOMES

1. effective and professional oral and written communication skills.
2. the skills to apply scientific and management principles to running an agricultural operation, including developing new solutions to fit demands and challenges of both personnel and everyday processes.
3. the ability to think critically and innovatively, working creatively to make effective decisions and develop plans for future operational advances.
4. a global perspective, recognizing the importance and intersecting roles of farmers, food systems and urban and rural communities.
5. specialized knowledge in safety on agricultural operations and the capability to implement the safety guidelines in the operation.

ADVISING AND CAREERS

Students are assigned an academic advisor at the 1st Year Orientation. Advisors and students will meet throughout the year to discuss program requirements and future career goals, as well as many other items. **Students are responsible for knowing academic requirements for graduation** and should consult with their advisor regularly. Students are encouraged to discuss with their advisor any possible changes of academic plans that may arise during the academic year.

FARM AND EQUIPMENT OPERATIONS, CERTIFICATE

This specialty is designed for students preparing for employment in the farm equipment industry. Students who complete this certificate will be able to expand their skills through industry terminology expansion, understand the necessary management principles of running an agricultural operation, think innovatively in preparing for future operational advances, and apply specialized knowledge in the latest technology and applications to farm and equipment operations. Students who have earned this certificate have reported securing employment as farm equipment managers, farm mechanics, and managers of all farm equipment maintenance.

HOW TO GET IN

ADMISSION ELIGIBILITY CRITERIA

Admission decisions are made using a holistic approach with consideration of, but not limited to: an applicant's cumulative GPA, class

rank, activities, leadership roles, academic progress as reflected on an official transcript, etc. Below are eligibility criteria and considerations:

Domestic Applicants:

- High School Diploma or GED required
- Involvement in agriculture-related activities
- Academic record
- Personal and professional goals
- Rank in the upper 80% of graduating class

There is no foreign language requirement.

Returning adult students will receive special consideration.

International Applicants**:

(The following requirements are set forth by the guidelines for the J-1 VISA as well as by the FISC office and UW campus).

- Degree or professional certificate from a foreign, post-secondary academic institution AND one year minimum of prior, ag-related work experience acquired outside of the United States, OR five years minimum of prior, ag-related work experience acquired outside of the United States
- Minimum of a 2.0 cumulative GPA on a 4.0 scale
- Proficiency in the English language, as demonstrated by a TOEFL score of 550 or higher, or IELTS score of 7 or higher, OR proof that your most recent four years of education were taught primarily in the English language
- Completed Certification of Financial Support form.

APPLICATION PROCESS

Applications are available October 1 and close August 1 for domestic students for the upcoming academic year, and close June 1 for International applications. Applicants must mail an official high school or post-secondary transcript, depending upon the most recent school of attendance. (If a post-secondary transcript has fewer than 2 years of classwork reported, an applicant also must submit a high school transcript in addition to the post-secondary one.) International applicants must submit additional documents in order for their application to be considered complete as listed on the FISC International Students (<https://fisc.cals.wisc.edu/prospective-students/international-students>) application page.

The online FISC application is hosted by the Adult Career and Special Student Services (ACSSS), Division of Continuing Studies, which admits all University Special students (which includes FISC). Applicants will submit an application following the process below. A committee in FISC reviews the application and makes the final admissions decisions.

3-step process:

Step 1: Create an account and apply via the University Special student application (<https://fisc.cals.wisc.edu/prospective-students/apply-now>). Select "Farm and Industry Short Course" as the student classification.

Step 2: Mail all transcripts and additional application materials to:

Farm & Industry Short Course
University of Wisconsin – Madison
116 Agricultural Hall
1450 Linden Drive
Madison, WI 53706

Step 3: Optional but recommended: Apply for FISC Scholarships (<https://fisc.cals.wisc.edu/prospective-students/funding-your-education>) before April 1 to receive priority consideration.

REQUIREMENTS

- Minimum of 12 credits and successful completion of all course requirements.
- Requires a GPA of 2.0 on all coursework.
- At least 50% of the credits must be taken in residence, graded, and for credit.

Code	Title	Credits
FISC 140	Farm Machinery	2
FISC 110	Livestock Housing	2
FISC 145	Precision Agricultural Technologies	2
FISC 143	Farm Power	2
FISC 133	Soil and Crop Nutrient Management	2
FISC 136	Agricultural Business Law	1
FISC 115	Agribusiness Feasibility Planning	1
Total Credits		12

LEARNING OUTCOMES

1. effective and professional oral and written communication skills.
2. the skills to apply scientific and management principles to running an agricultural operation, including developing new solutions to fit demands and challenges of both personnel and everyday processes.
3. the ability to think critically and innovatively, working creatively to make effective decisions and develop plans for future operational advances.
4. a global perspective, recognizing the importance and intersecting roles of farmers, food systems and urban and rural communities.
5. specialized knowledge in safety on agricultural operations and the capability to implement the safety guidelines in the operation.

ADVISING AND CAREERS

Students are assigned an academic advisor at the 1st Year Orientation. Advisors and students will meet throughout the year to discuss program requirements and future career goals, as well as many other items.

Students are responsible for knowing academic requirements for graduation and should consult with their advisor regularly. Students are encouraged to discuss with their advisor any possible changes of academic plans that may arise during the academic year.

FOUNDATIONS OF FARM MANAGEMENT, CERTIFICATE

This certificate provides a broad-based introduction to farm operations and management, including agricultural business operations and communications, food systems, safety and health, crops, and soils, with the option to take additional electives as they are available. Students

interested in additional experience may use this certificate as the prerequisite for one of five more advanced, specialty certificates in their second year.

HOW TO GET IN

ADMISSION ELIGIBILITY CRITERIA

Admission decisions are made using a holistic approach with consideration of, but not limited to: an applicant's cumulative GPA, class rank, activities, leadership roles, academic progress as reflected on an official transcript, etc. Below are eligibility criteria and considerations:

Domestic Applicants:

- High School Diploma or GED required
- Involvement in agriculture-related activities
- Academic record
- Personal and professional goals
- Rank in the upper 80% of graduating class

There is no foreign language requirement.

Returning adult students will receive special consideration.

International Applicants**:

(The following requirements are set forth by the guidelines for the J-1 VISA as well as by the FISC office and UW campus).

- Degree or professional certificate from a foreign, post-secondary academic institution AND one year minimum of prior, ag-related work experience acquired outside of the United States, OR five years minimum of prior, ag-related work experience acquired outside of the United States
- Minimum of a 2.0 cumulative GPA on a 4.0 scale
- Proficiency in the English language, as demonstrated by a TOEFL score of 550 or higher, or IELTS score of 7 or higher, OR proof that your most recent four years of education were taught primarily in the English language
- Completed Certification of Financial Support form.

APPLICATION PROCESS

Applications are available October 1 and close August 1 for domestic students for the upcoming academic year, and close June 1 for International applications. Applicants must mail an official high school or post-secondary transcript, depending upon the most recent school of attendance. (If a post-secondary transcript has fewer than 2 years of classwork reported, an applicant also must submit a high school transcript in addition to the post-secondary one.) International applicants must submit additional documents in order for their application to be considered complete as listed on the FISC International Students (<https://fisc.cals.wisc.edu/prospective-students/international-students>) application page.

The online FISC application is hosted by the Adult Career and Special Student Services (ACSSS), Division of Continuing Studies, which admits all University Special students (which includes FISC). Applicants will submit an application following the process below. A committee in FISC reviews the application and makes the final admissions decisions.

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Madison, WI 53706

Step 3: Optional but recommended: Apply for FISC Scholarships (<https://fisc.cals.wisc.edu/prospective-students/funding-your-education>) before April 1 to receive priority consideration.

REQUIREMENTS

- Minimum of 12 credits and successful completion of all course requirements.
- Requires a GPA of 2.0 on all coursework.
- At least 50% of the credits must be taken in residence, graded, and for credit.

Code	Title	Credits
Specialty Certificate Core Requirements		
FISC 55	Farm and Industry Short Course First-Year Seminar	1
FISC 57	Introduction to Soils	2
FISC 58	Forage Crops	2
FISC 51	Business Principles of Agricultural Management	1
FISC 53	Agriculture Human Resources Management	1
FISC 54	Agribusiness Communications	2
FISC 56	Agriculture, Food Systems, and Rural Development	1
FISC 59	Food Safety	1
FISC 52	Agricultural Safety and Health	1
Total Credits		12

LEARNING OUTCOMES

1. effective and professional oral and written communication skills.
2. the skills to apply scientific and management principles to running an agricultural operation, including developing new solutions to fit demands and challenges of both personnel and everyday processes.
3. the ability to think critically and innovatively, working creatively to make effective decisions and develop plans for future operational advances.
4. a global perspective, recognizing the importance and intersecting roles of farmers, food systems and urban and rural communities.
5. specialized knowledge in safety on agricultural operations and the capability to implement the safety guidelines in the operation.

ADVISING AND CAREERS

Students are assigned an academic advisor at the 1st Year Orientation. Advisors and students will meet throughout the year to discuss program requirements and future career goals, as well as many other items.

Students are responsible for knowing academic requirements for graduation and should consult with their advisor regularly. Students are encouraged to discuss with their advisor any possible changes of academic plans that may arise during the academic year.

MANAGEMENT OF CROPS AND SOILS, CERTIFICATE

This specialty is designed for students interested in crops and soils-related areas. Students who complete this certificate will be able to communicate management options related to soil issues and successful crop production, think critically and innovatively, recognize the importance and intersecting roles of farmers and cropping systems, and understand specialized knowledge of safety related to farming. Alumni of the FISC program have reported securing employment as fertilizer and chemical managers for a co-op, crop scouts, and other positions related to production agriculture.

HOW TO GET IN

ADMISSION ELIGIBILITY CRITERIA

Admission decisions are made using a holistic approach with consideration of, but not limited to: an applicant's cumulative GPA, class rank, activities, leadership roles, academic progress as reflected on an official transcript, etc. Below are eligibility criteria and considerations:

Domestic Applicants:

- High School Diploma or GED required
- Involvement in agriculture-related activities
- Academic record
- Personal and professional goals
- Rank in the upper 80% of graduating class

There is no foreign language requirement.
Returning adult students will receive special consideration.

International Applicants**:

(The following requirements are set forth by the guidelines for the J-1 VISA as well as by the FISC office and UW campus).

- Degree or professional certificate from a foreign, post-secondary academic institution AND one year minimum of prior, ag-related work experience acquired outside of the United States, OR five years minimum of prior, ag-related work experience acquired outside of the United States
- Minimum of a 2.0 cumulative GPA on a 4.0 scale
- Proficiency in the English language, as demonstrated by a TOEFL score of 550 or higher, or IELTS score of 7 or higher, OR proof that your most recent four years of education were taught primarily in the English language
- Completed Certification of Financial Support form.

APPLICATION PROCESS

Applications are available October 1 and close August 1 for domestic students for the upcoming academic year, and close June 1 for International applications. Applicants must mail an official high school or post-secondary transcript, depending upon the most recent school of attendance. (If a post-secondary transcript has fewer than 2 years of classwork reported, an applicant also must submit a high school transcript in addition to the post-secondary one.) International applicants must submit additional documents in order for their application to be considered complete as listed on the FISC International Students (<https://fisc.cals.wisc.edu/prospective-students/international-students>) application page.

The online FISC application is hosted by the Adult Career and Special Student Services (ACSSS), Division of Continuing Studies, which admits all University Special students (which includes FISC). Applicants will submit an application following the process below. A committee in FISC reviews the application and makes the final admissions decisions.

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Farm & Industry Short Course
University of Wisconsin – Madison
116 Agricultural Hall
1450 Linden Drive
Madison, WI 53706

Step 3: Optional but recommended: Apply for FISC Scholarships (<https://fisc.cals.wisc.edu/prospective-students/funding-your-education>) before April 1 to receive priority consideration.

REQUIREMENTS

- Minimum of 12 credits and successful completion of all course requirements.
- Requires a GPA of 2.0 on all coursework.
- At least 50% of the credits must be taken in residence, graded, and for credit.

Code	Title	Credits
FISC 104	Grain Crops Production & Management	2
FISC 133	Soil and Crop Nutrient Management	2
FISC 142	Identification and Management of Agronomic Pests	3
FISC 20	Introduction to Plant Science	2
FISC 121	Agricultural Commodities Marketing	2
Select at least one additional credit from the following:		1
FISC 23	Safe and Effective Uses of Pesticides in Agronomic Crops	
FISC 71	Pasture Management	
FISC 72	Pasture Based Dairy/Livestock - Business Start-up and Marketing	
FISC 73	Pasture Based Dairy/Livestock - Managing the Business	

FISC 21	Agricultural Sales
FISC 136	Agricultural Business Law
FISC 115	Agribusiness Feasibility Planning
FISC 145	Precision Agricultural Technologies
Total Credits	12

LEARNING OUTCOMES

1. effective and professional oral and written communication skills.
2. the skills to apply scientific and management principles to running an agricultural operation, including developing new solutions to fit demands and challenges of both personnel and everyday processes.
3. the ability to think critically and innovatively, working creatively to make effective decisions and develop plans for future operational advances.
4. a global perspective, recognizing the importance and intersecting roles of farmers, food systems and urban and rural communities.
5. specialized knowledge in safety on agricultural operations and the capability to implement the safety guidelines in the operation.

ADVISING AND CAREERS

Students are assigned an academic advisor at the 1st Year Orientation. Advisors and students will meet throughout the year to discuss program requirements and future career goals, as well as many other items.

Students are responsible for knowing academic requirements for graduation and should consult with their advisor regularly. Students are encouraged to discuss with their advisor any possible changes of academic plans that may arise during the academic year.

MEAT ANIMAL FARM MANAGEMENT, CERTIFICATE

This specialty is intended to prepare students for a livestock farming career. Students who complete this certificate will be able to communicate effective management of meat animal operations, apply scientific and management principles to running a meat animal operation (including nutrition and reproductive management practices), make effective decisions and develop creative plans for future operational advances, and understand specialized knowledge related to food safety regulations and food quality. Alumni who have completed this certificate have reported securing employment as livestock herdspeople, farm operators, meat processors and managers of a meat processing operation.

HOW TO GET IN

ADMISSION ELIGIBILITY CRITERIA

Admission decisions are made using a holistic approach with consideration of, but not limited to: an applicant's cumulative GPA, class rank, activities, leadership roles, academic progress as reflected on an official transcript, etc. Below are eligibility criteria and considerations:

Domestic Applicants:

- High School Diploma or GED required
- Involvement in agriculture-related activities
- Academic record
- Personal and professional goals
- Rank in the upper 80% of graduating class

There is no foreign language requirement.
Returning adult students will receive special consideration.

International Applicants**:

(The following requirements are set forth by the guidelines for the J-1 VISA as well as by the FISC office and UW campus).

- Degree or professional certificate from a foreign, post-secondary academic institution AND one year minimum of prior, ag-related work experience acquired outside of the United States, OR five years minimum of prior, ag-related work experience acquired outside of the United States
- Minimum of a 2.0 cumulative GPA on a 4.0 scale
- Proficiency in the English language, as demonstrated by a TOEFL score of 550 or higher, or IELTS score of 7 or higher, OR proof that your most recent four years of education were taught primarily in the English language
- Completed Certification of Financial Support form.

APPLICATION PROCESS

Applications are available October 1 and close August 1 for domestic students for the upcoming academic year, and close June 1 for International applications. Applicants must mail an official high school or post-secondary transcript, depending upon the most recent school of attendance. (If a post-secondary transcript has fewer than 2 years of classwork reported, an applicant also must submit a high school transcript in addition to the post-secondary one.) International applicants must submit additional documents in order for their application to be considered complete as listed on the FISC International Students (<https://fisc.cals.wisc.edu/prospective-students/international-students>) application page.

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116 Agricultural Hall
1450 Linden Drive
Madison, WI 53706

Step 3: Optional but recommended: Apply for FISC Scholarships (<https://fisc.cals.wisc.edu/prospective-students/funding-your-education>) before April 1 to receive priority consideration.

REQUIREMENTS

- Minimum of 12 credits and successful completion of all course requirements.
- Requires a GPA of 2.0 on all coursework.
- At least 50% of the credits must be taken in residence, graded, and for credit.

Code	Title	Credits
FISC 134	Reproduction of Farm Animals	2
FISC 114	Ruminant Nutrition	2
FISC 101	Meat Animal Production I	2
FISC 102	Meat Animal Production II	2
FISC 120	Meat Animal Evaluation & Marketing	2
Complete at least 2 credits from the following list:		2
FISC 21	Agricultural Sales	
FISC 71	Pasture Management	
FISC 72	Pasture Based Dairy/Livestock - Business Start-up and Marketing	
FISC 73	Pasture Based Dairy/Livestock - Managing the Business	
FISC 110	Livestock Housing	
FISC 136	Agricultural Business Law	
FISC 133	Soil and Crop Nutrient Management	
FISC 115	Agribusiness Feasibility Planning	
Total Credits		12

LEARNING OUTCOMES

1. effective and professional oral and written communication skills.
2. the skills to apply scientific and management principles to running an agricultural operation, including developing new solutions to fit demands and challenges of both personnel and everyday processes.
3. the ability to think critically and innovatively, working creatively to make effective decisions and develop plans for future operational advances.
4. a global perspective, recognizing the importance and intersecting roles of farmers, food systems and urban and rural communities.
5. specialized knowledge in safety on agricultural operations and the capability to implement the safety guidelines in the operation.

ADVISING AND CAREERS

Students are assigned an academic advisor at the 1st Year Orientation. Advisors and students will meet throughout the year to discuss program requirements and future career goals, as well as many other items.

Students are responsible for knowing academic requirements for graduation and should consult with their advisor regularly. Students are encouraged to discuss with their advisor any possible changes of academic plans that may arise during the academic year.

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATES

Certificates started as an undergraduate and finished as a Special student

This certificate is intended to be completed in the context of an undergraduate degree and for those seeking this certificate that is preferred. For students who have substantially completed this certificate at UW–Madison (at least 12 credits) and may need one or two courses to complete the certificate, they may do so immediately after completion of the bachelor's degree by enrolling in the course as a University Special (nondegree) student. The certificate must be completed within a year of completion of the bachelor's degree. Students should keep in mind that University Special students have the last registration priority and that may limit availability of desired courses. Financial aid is not available when enrolled as a University Special student to complete an undergraduate certificate.

- Archaeology (<http://guide.wisc.edu/undergraduate/letters-science/anthropology/archaeology-certificate>)
- Criminal Justice (<http://guide.wisc.edu/undergraduate/letters-science/center-law-society-justice/criminal-justice-certificate>)
- East Asian Studies (<http://guide.wisc.edu/undergraduate/letters-science/institute-regional-international-studies/east-asian-studies-certificate>)
- Mathematics (<http://guide.wisc.edu/undergraduate/letters-science/mathematics/mathematics-certificate>)
- Medieval Studies (<http://guide.wisc.edu/undergraduate/letters-science/history/medieval-studies-certificate>)
- Religious Studies (<http://guide.wisc.edu/undergraduate/letters-science/religious-studies/religious-studies-certificate>)
- Technical Communication (<https://next-guide.wisc.edu/undergraduate/engineering/engineering-professional-development/technical-communication-certificate>)

Certificates that can be completed as an undergraduate or a Special student

This certificate may be completed within the context of an undergraduate degree or as a Special student after an undergraduate degree has been awarded from any institution. The certificate may be completed in its entirety while enrolled as a Special student. Candidates are encouraged to contact the certificate coordinator to discuss course enrollment and the sequencing of certificate requirements.

- American Indian Studies (<http://guide.wisc.edu/undergraduate/letters-science/american-indian-studies/american-indian-studies-certificate>)
- Computer Sciences (<http://guide.wisc.edu/undergraduate/letters-science/computer-sciences/computer-sciences-certificate>) (May not be earned if applicant has a degree in computer sciences or electrical and computer engineering)
- Education and Educational Services (<http://guide.wisc.edu/undergraduate/education/educational-psychology/education-educational-services-certificate>)
- Educational Policy Studies (<http://guide.wisc.edu/undergraduate/education/educational-policy-studies/educational-policy-studies-certificate>)

- Folklore (<http://guide.wisc.edu/undergraduate/letters-science/comparative-literature-folklore-studies/folklore-certificate>) (admissions suspended)
- Gender and Women's Studies (<http://guide.wisc.edu/undergraduate/letters-science/gender-womens-studies/gender-womens-studies-certificate>)
- German (<http://guide.wisc.edu/undergraduate/letters-science/german-nordic-slavic/german-certificate>)
- Introductory Studies in Dance/Movement Therapy (<http://guide.wisc.edu/undergraduate/education/dance/introductory-studies-dance-movement-therapy-certificate>)
- Pilates (<http://guide.wisc.edu/undergraduate/education/dance/pilates-certificate>)
- Studio Art (<http://guide.wisc.edu/undergraduate/education/art/art-studio-certificate>)
- Teaching English to Speakers of Other Languages (<http://guide.wisc.edu/undergraduate/letters-science/english/teaching-english-speakers-other-languages-certificate>)

VISITING INTERNATIONAL

UW–Madison welcomes international undergraduate, graduate, and post-graduate students to study at UW–Madison for one or more terms as a University Special student. University Special students take regularly scheduled courses for credit which are displayed on an official student record, but are not currently earning a degree from UW–Madison. There are four main categories with different learning goals and admissions pathways.

FORMAL EXCHANGE PROGRAM

The program is available to students attending a university abroad which has a formal exchange agreement with UW–Madison. Students work directly with their home university's exchange/study abroad office for the admissions and enrollment procedures. The four exchange offices at UW–Madison are:

- Business Exchange (<http://bus.wisc.edu/degrees-programs/international-programs/exchange-students>)
- Engineering Exchange (<http://international.engr.wisc.edu/incoming/applying.php>)
- International Academic Programs (<http://www.studyabroad.wisc.edu/incoming.html>)
- Law Exchange (<http://www.law.wisc.edu/academics/international/foreignex.htm>)

All formal exchange students except those pursuing law studies are admitted by the Adult Career and Special Student Services office, which also serves as the academic dean's office.

VISITING INTERNATIONAL STUDENT PROGRAM (VISP)

The program is available to international students who wish to study at UW–Madison for one or more semesters or a summer term—and are not part of a formal exchange program. The Visiting International Student Program (VISP) participants are admitted by ACSSS. Detail about the program, admissions criteria, and student experience is provided at the VISP webpage (<https://visp.wisc.edu>).

CAPSTONE CERTIFICATE PROGRAM

Capstone certificates reflect a focused collection of graduate-level courses which allow students with a bachelor's degree to obtain additional professional skills and certification. Capstone programs do not lead to the conferral of a degree, but do appear on a student's UW–Madison transcript. The availability of a capstone certificate program to an international student varies as follows:

- The 100% online programs are available to international students who remain abroad.
- Students already in the U.S. on another visa type (e.g. J–1 scholar, J–2 dependent, H1B) may be eligible for admission to any of the capstone certificate programs.
- Full-time programs on the university campus require international students to hold an F–1 or J–1 visa to study legally in the United States. The programs approved by the U.S. government for F–1 or J–1 visas include Actuarial Science (p. 5), Communication Sciences & Disorders (p. 13), Computer Sciences (p. 14), and Geographic Information Studies (p. 19).

A comprehensive list with details about program content, admissions criteria, and the application process is available at the Types of Study (p. 4) page.

ENGLISH AS A SECOND LANGUAGE

The Intensive English Program (IEP) (<https://esl.wisc.edu/intensive-english>) at UW–Madison provides quality academic instruction to adults who wish to improve their proficiency in English. IEP offers full-time, 15-week programs in the fall and spring semesters and an 8-week Summer program. The classes range from lower-intermediate (A2) to advanced level (C1). Beginning-level instruction (A1) is not offered. IEP participants are admitted as UW–Madison students in University Special student status. Further details about the program content, admissions criteria, and the application process is available at the Types of Study (p. 33) page and the IEP website (<https://esl.wisc.edu/intensive-english>).

HOW TO GET IN

FORMAL EXCHANGE PROGRAM

Students who wish to come to UW–Madison on a formal exchange program must work directly with their home school's exchange/study abroad office to review application deadlines and admissions requirements (including TOEFL score). The exchange coordinator will provide participating students with a direct link to the application which is appropriate for the UW–Madison program. Students seeking admission in the three programs listed here will be admitted as a University Special student with the designation of UNIS on the application and the class roster.

- International Academic Programs (<http://www.studyabroad.wisc.edu/incoming.html>)
- International Programs at the School of Business (<https://bus.wisc.edu/degrees-programs/international-programs/exchange-students>)
- International Engineering Studies & Programs (<http://international.engr.wisc.edu/incoming/applying.php>)

VISITING INTERNATIONAL STUDENT PROGRAM (VISP)

Any international student who has completed at least one semester of college/university study and meets language proficiency requirements (TOEFL: minimum 80 iBT/550 PBT; IELTS: minimum of 6.5) may apply. Applicants do not need to be currently enrolled in an educational institution. Students should apply at least three months before the intended start date at UW–Madison in order to complete the entire admission process and visa application (which may require many months to complete). A limited number of spots are available in VISP each semester, so applying early provides the best consideration.

Students are admitted in one of three levels which determines the minimum credit load requirements:

Undergraduate level students: completed at least one semester of college/university study and will not have completed their degree before arriving in Madison. Students must be in good academic standing with a minimum grade point average (GPA) equivalent at home university of a 3.0 on a 4.0 scale. *UIUL* is the designation on the admissions application and course roster.

Graduate level students: completed an undergraduate degree and may or may not have started a graduate program. *UIGL* is the designation on the admissions application and course roster.

Dissertator-level students: completed all graduate coursework and are currently working on a dissertation, or have completed a Ph.D. No additional requirements apply for students in these classifications. *UIDL* is the designation on the admissions application and course roster.

To apply: Students must review eligibility requirements and then follow the application process outlined at the VISP website (<http://www.visp.wisc.edu/apply.htm>). VISP coordinators will assist with each step of the process. The coordinators will send an email to confirm the application has been received and to provide details on next steps.

start of the term as it can take two to three weeks to review and process an application. UNVS is the designation on the application and course roster. As a visiting undergraduate, a transcript from the home college or university is required to confirm the admissions criteria of good standing and 2.0 minimum GPA are met. The transcript may be sent via email to advising@dc.wisc.edu or faxed to 608-265-2901. (Recent high school graduates without a college record must submit a high school transcript.)

Recent high school graduates or graduating seniors who have been admitted and will enroll at another college or university as an undergraduate may apply for visiting undergraduate status for the summer term or semester following high school graduation. It is the student's responsibility to make sure this is permitted by the college to be entered in the next term. To be admitted as a visiting student without a college record, students must have a minimum 3.0 cumulative GPA in high school. Graduating high school seniors who will enroll as undergraduates at UW–Madison in the fall term and wish to begin their studies in the summer term must contact the Office of Admissions and Recruitment (<https://www.admissions.wisc.edu>) to change their admission term from fall to summer.

VISITING UNIVERSITY STUDENTS

Students who are undergraduates in good standing at another U.S. college or university are eligible for admission as a University Special student. They are admitted with the understanding that they will either return to their primary institution or attend another university after one term at UW–Madison. Visiting undergraduates are assessed tuition at the undergraduate student rate (Wisconsin resident or nonresident) unless a course has a nonstandard tuition rate.

Visiting undergraduates are admitted for one term only. Those with extenuating circumstances or particular academic needs may appeal to attend UW–Madison for consecutive terms. The appeal must include a statement of support from a dean at the home institution.

It is the visiting student's responsibility to work out a credit transfer plan with the advisor at the college or university which will confer their undergraduate degree. There is no guarantee that credits earned at UW–Madison will apply toward fulfilling degree requirements at another university.

HOW TO GET IN

There is no application fee. Apply using the University Special student application (<https://acsss.wisc.edu/apply>) at least one month before the

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